

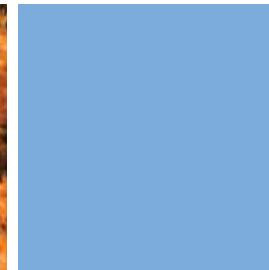
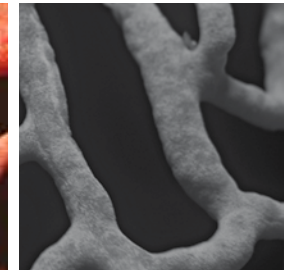
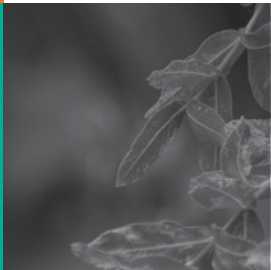
Welcome to More Choice

BD Multicolor Antibody Reagents Catalog

15th Edition

Choose from our extensive portfolio of high-quality fluorescent-conjugated reagents to build your multicolor flow cytometry panels.

- Human
- Mouse
- Non-Human Primate



Welcome to More Choice

BD Multicolor Antibody Reagents Catalog

Human

Mouse

Non-Human Primate

BD continues to provide more choices for multicolor flow cytometry applications by expanding our portfolio and color options. Check out our portfolio of BD Horizon Brilliant™ Violet reagents. These dyes are very bright, and in many cases, provide unprecedented brightness for violet laser applications. Choose from BD Horizon Brilliant™ Violet 421 (BV421), BD Horizon Brilliant™ Violet 510 (BV510), BD Horizon Brilliant™ Violet 605 (BV605), BD Horizon Brilliant™ Violet 650 (BV650), BD Horizon Brilliant™ Violet 711 (BV711), and BD Horizon Brilliant™ Violet 786 (BV786).

Expand your multicolor panels with dyes for the UV laser, BD Horizon Brilliant™ Ultraviolet 395 (BUV395), BD Horizon Brilliant™ Ultraviolet 496 (BUV496), BD Horizon Brilliant™ Ultraviolet 737 (BUV737), BD Horizon Brilliant™ Ultraviolet 805 (BUV805), and our newest dye, BD Horizon Brilliant™ Ultraviolet 661 (BUV661).

Check out BD Horizon Brilliant™ Blue 515 (BB515), which offers a brighter alternative to FITC with less spillover into the PE channel. In addition, we now have BD Horizon™ APC-R700, which offers a brighter alternative to Alexa Fluor® 700.

Look for newly released products as we continue our commitment to provide more choices for multicolor assays.

If an antibody clone is not available in the format you are looking for, use our Custom Conjugated Antibody Express Program for even more color choices for flow cytometry.

This program offers:

- A wide variety of specificities and colors
- Short turnaround time
- A 0.5-mg minimum order size

Clones highlighted in yellow in this catalog are available through this service.

For more information, contact your account manager, email BDBCUSTOMORDERS@BD.COM, or visit bdbiosciences.com/reagents.

More Sizes

BD now offers a wide variety of antibody conjugates in small and large vial sizes.

Small sizes (25 test or 25 µg) are now available for hundreds of specificities.

- Use the small-size formats to determine feasibility of pilot experiments.
- Design and optimize multicolor panels with our small sizes.

Larger sizes (250 or 500 tests) are now available for many of the common markers.

- Use this convenient package size for routine assays or large studies.
- Easily obtain the same lot of conjugate for the duration of a study.
- Larger sizes are formulated to have small volumes per test (5 µL/test), optimal for multiplexing with other conjugates.



BD Biosciences Fluorochrome Specifications

Use our Fluorochrome Specifications chart to determine which fluorochromes are excited by the lasers on your instrument. Visit bdbiosciences.com/colors for more detailed information about our newest fluorochromes and instrumentation, as well as tools to help you build multicolor panels.

Fluorochrome	Fluorescence Emission Color	Ex-Max (nm)	Excitation Laser Line (nm)*	Em-Max (nm)	Analyzers					Sorters		
					BD Accuri™ C6	BD FACS Calibur™	BD FACSVerser™ §	BD FACSCanto™ II	BD LSRFortessa™ X-20	BD FACS Aria™ Product Family	BD Influx™	BD FACS Jazz™
BD Horizon™ BUV395	Violet	348	355	395					●			
Hoechst 33342	Blue	350	355, 375	461					●	●	●	
BD Horizon™ BV421	Blue	407	405	421			●	●	●	●	●	●
BD Horizon™ V450	Blue	404	405	448			●	●	●	●	●	●
Pacific Blue™	Blue	401	405	452			●	●	●	●	●	●
BD Horizon™ BUV496	Green	348	355	496					●			
BD Horizon™ V500	Green	415	405	500			●	●	●	●	●	●
BD Horizon™ BV510	Green	405	405	510			●	●	●	●	●	●
BD Horizon™ BB515	Green	490	488	515	●	●	●	●	●	●	●	●
Alexa Fluor® 488	Green	495	488	519	●	●	●	●	●	●	●	●
FITC	Green	494	488	519	●	●	●	●	●	●	●	●
PE	Yellow	496, 564	488, 532, 561	578	●	●	●	●	●	●	●	●
BD Horizon™ BV605	Orange	407	405	602					●	●	●	
BD Horizon™ PE-CF594	Orange	496, 564	488, 532, 561	612			●	●	●	●	●	
PI	Orange	351	488, 532, 561	617	●	●	●	●	●	●	●	
7-AAD	Red	543	488, 532, 561	647	●	●	●	●	●	●	●	
BD Horizon™ BV650	Red	407	405	650					●	●	●	
APC†	Red	650	633, 635, 640	660	●	●	●	●	●	●	●	●
BD Horizon™ BUV661	Red	348	355	661					●			
Alexa Fluor® 647	Red	650	633, 635, 640	668	●	●	●	●	●	●	●	●
PE-Cy™5†	Red	496, 564	488, 532, 561	667	●¶	●	●	●	●	●	●	
PerCP	Red	482	488, 532	678	●	●	●	●	●‡	●	●‡	
PerCP-Cy™5.5	Far Red	482	488, 532	695	●	●	●	●	●	●	●	●
BD Horizon™ APC-R700	Far Red	652	633, 635, 640	704			●	●	●	●	●	
Alexa Fluor® 700	Far Red	696	633, 635, 640	719			●	●	●	●	●	
BD Horizon™ BV711	Far Red	407	405	711					●	●	●	
BD Horizon™ BUV737	Far Red	348	355	737					●			
PE-Cy™7	Infrared	496, 564	488, 532, 561	785	●	●	●	●	●	●	●	●
APC-Cy7	Infrared	650	633, 635, 640	785			●	●	●	●	●	●
BD™ APC-H7	Infrared	650	633, 635, 640	785			●	●	●	●	●	●
BD Horizon™ BV786	Infrared	407	405	786					●	●	●	
BD Horizon™ BUV805	Infrared	348	355	805					●			

* The excitation laser line represents commonly used lasers that excite the fluorochrome. It does not necessarily reflect the lasers available for each particular instrument.

† APC and PE-Cy5 may be used together on instruments with cross-beam compensation.

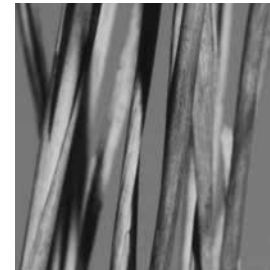
‡ Sensitivity for PerCP with high-power lasers (>25 mW) is reduced and is only recommended for known highly expressed markers.

§ Capable of detecting 8 colors simultaneously (4 blue laser, 2 red laser, 2 violet laser). BD Horizon PE-CF594 and Alexa Fluor® 700 filters are available separately.

¶ Extra care must be taken to avoid spillover.



Megaphasma denticrus, or giant walking stick, manages to remain hidden despite being the longest insect in North America. Primarily found in Texas where this specimen was photographed, the species grows to over 6 inches and is thought to range in wooded areas and grasslands across the southern United States.



Contents



Human Antibody Reagents

Surface Markers	6 – 49
Intracellular Cytokines and Chemokines	50 – 55
Intracellular Cell-Signaling and Transcription Factors	56 – 73



Mouse Antibody Reagents

Surface Markers	76 – 105
Intracellular Cytokines and Chemokines	106 – 107
Intracellular Cell-Signaling and Transcription Factors	108 – 115



Non-Human Primate Antibody Reagents

Surface Markers	118 – 127
Intracellular Cytokines and Chemokines	128 – 129
Intracellular Cell-Signaling and Transcription Factors	130 – 131

BD Multicolor Antibody Reagents Catalog **Human** Antibody Reagents

Surface Markers			Emission Max											UV Laser (355 nm)					Violet Laser (405 nm)										
			T Cell	B Cell	Dendritic Cell	NK Cell	Macrophage/Monocyte	Granulocyte	Platelet	Erythrocyte	Endothelial Cell	Epithelial Cell	Stem Cell/Precursor	1	2	5	3	4	1	2	3	4	5	6					
Product Name	Clone	React	395 nm	496 nm	661 nm	737 nm	805 nm	421 nm	448 nm	500 nm	510 nm	602 nm	650 nm	711 nm	786 nm	BD Horizon BUV395	BD Horizon BUV496	BD Horizon BUV661	BD Horizon BUV737	BD Horizon BUV805	BD Horizon BV421	BD Horizon V450	BD Horizon V500	BD Horizon BV510	BD Horizon BV605	BD Horizon BV650	BD Horizon BV711	BD Horizon BV786	
CD1a	HI149	Hu	+	+	+	-	+	-	-	-																			
	SK9	Hu	+	+	+	-	+	-	-	-																657710*			
CD1b	M-T101	Hu	+	+	+	-	+	-	-	-																			
CD1c	F10/21A3	Hu	+	+	+	-	+	-	-	-																			
CD1d	CD1d42	Hu	+	+	+	-																							
CD2 (LFA-2)	RPA-2.10	Hu	+	+		+		-	-	-																			
	L303.1	Hu	+	+		+		-	-	-																			
	S5.2	Hu	+	+		+		-	-	-												644485*							
CD3	HIT3a	Hu	+	-		-		-	-	-																			
	SK7	Hu	+	-		-		-	-	-																			
	UCHT1	Hu	+	-		-		-	-	-																			
CD4	RPA-T4	Hu	+	-		-	+	+	-	-																			
	SK3	Hu	+	-		-	+	+	-	-																			
CD4 v4	L120	Hu																											
CD5	L17F12	Hu	+	+		-	-	-	-	-																			
	UCHT2	Hu	+	+		-	-	-	-	-																			
CD6	M-T605	Hu	+	+		-	-	-	-	-																			

+ Positive[§] - Negative

[§]Positive refers to any expression of this specificity either in all cells, a subset, or upon activation. Expression may not be high enough to detect by flow cytometry. Empty cells represent lack of information confirming the expression of the marker within the cell type.

Clone

Highlighted clones denote that the clone is available for the Express Custom Conjugation Service.

Choose from our extensive portfolio of high-quality fluorescent-conjugated reagents to build your multicolor flow cytometry panels.



Surface Markers	Blue Laser (488 nm)									Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)						Biotin
	1			2	3	4			5	1	2	3	4	1		2		3		
	515 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	704 nm	719 nm	785 nm	785 nm	
Product Name	BD Horizon BB515	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	BD Horizon APC-R700	Alexa Fluor® 700	APC-Cy7	BD APC-H7	
CD1a		560945 555806		561754 555807		555808				561754 555807		555808		561755 559775						
				333167 ^c						341651*										
CD1b		555969																		
CD1c				564900						564900										
CD1d				561757 550255						561757 550255				563626 563505						
CD2 (LFA-2)		561759 555326		561760 555327	562319 562300	555328		560643		561760 555327	562319 562300	555328		560642					562638	555325
									335821 ^c					335786*						
			347404 ^c		347405 ^c						347597*				341024 ^c					
CD3		555339 561802		561803 555340		561006 555341				561803 555340		561006 555341		555342						555338
				345765 ^c			345766 ^c	332771 ^c	560910 341111 ^c 557851	347347*			560910 341091* 557851	345767 ^c				561800 341110 ^c 557832	560275 560176 641415 ^c	
	564466 564465	561806 555332 555916 561807 [†]	557694	561808 555333 561809 [†]	562310 562280	561007 555334		560835	563423	561808 555333 561809	562310 562280	561007 555334	563423	561810 555335 561811 [†]	557706		561027 557943			555331
CD4	564420 564419	561005 555346 561842 [†]	557695	561843 555347 561844 [†]	562316 562281	561004 555348		560650	560649	561843 555347 561844 [†]	562316 562281	561004 555348	560649	561840 555349 561841 [†]	557707	564976 564975	561030 557922	561839 557871	560251 560158	555345
				345769 ^c			345770 ^c	341654*	560909 348809 ^c 557852	347327*			348789* 557852	345771 ^c				341115 ^c	641398*	347321*
CD4 v4		340422*		340419*						340419*										
CD5				345781 ^c				341109 ^c	348810 ^c	347307*				348790*	345783 ^c					347301*
	564648 564647	561896 555352		561897 555353		555354				561897 555353		555354		561003 555355			561159	563516		555351
CD6		555357		555358						555358					564260					

Bold catalog numbers denote that the product is a small size (25–30 tests or 25 µg).

* RUO (GMP) status reagents

[†] Denotes multiple reactivities. To view all reactivities, please find the technical data sheet online at bdbiosciences.com.

[‡] Denotes that the product is a large size (250 or 500 tests)

^c CE-IVD: CE marked in compliance with European Directive 98/97/EC (Directive of the European Parliament and of the Council of 27 October 1998 on in vitro diagnostic medical devices).

BD Multicolor Antibody Reagents Catalog **Human** Antibody Reagents

Surface Markers			Emission Max											UV Laser (355 nm)					Violet Laser (405 nm)										
			T Cell	B Cell	Dendritic Cell	NK Cell	Macrophage/Monocyte	Granulocyte	Platelet	Erythrocyte	Endothelial Cell	Epithelial Cell	Stem Cell/Precursor	1	2	5	3	4	1	2	3	4	5	6					
Product Name	Clone	React	395 nm	496 nm	661 nm	737 nm	805 nm	421 nm	448 nm	500 nm	510 nm	602 nm	650 nm	711 nm	786 nm	BD Horizon BUV395	BD Horizon BUV496	BD Horizon BUV661	BD Horizon BUV737	BD Horizon BUV805	BD Horizon BV421	BD Horizon V450	BD Horizon V500	BD Horizon BV510	BD Horizon BV605	BD Horizon BV650	BD Horizon BV711	BD Horizon BV786	
CD7	4H9	Hu	+	-	+	-	-	-	-	-	-	-	-	-	-	+													
	M-T701	Hu	+	-	+	-	-	-	-	-	-	-	-	-	-	+	563845							562635	642916*		563650	657884*	
CD8	G42-8	Hu																											
	HIT8a	Hu																											
	RPA-T8	Hu															563796	564805											
	SK1	Hu																		564628	564913								
CD8b	2ST8.5H7	Hu	+	-	-	-	-	-	-	-	-	-	-	-	-														
CD9	M-L13	Hu	+	+		+	+	+		+	+	-																	
CD10	HI10a	Hu	-		-	+	-	-	-		+	-																	
	MEM-78	Hu	-		-	+	-	-	-		+	-																	
	W8E7	Hu	-		-	+	-	-	-		+	-																	
CD11a (Integrin α^L chain, LFA-1 α)	HI111	Hu [†]	+	+		+	+	+		-	-																		
	G-25.2	Hu	+	+		+	+	+		-	-																		
	G43-25B	Hu	+	+		+	+	+		-	-																		
CD11b (CR3)	D12	Hu	+	+	+	+	+	+		-	-																		
CD11b/Mac-1 (CR3)	ICRF44	Hu [†]	+	+	+	+	+	+																					
CD11c (Integrin α^X chain)	B-ly6	Hu	+	+	+	+	+	+		-	-																		
CD11c (ITGAX, CD11C Integrin α^X chain)	S-HCL-3	Hu																											

+ Positive[§] - Negative

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Surface Markers	Blue Laser (488 nm)									Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)						Biotin
	1			2	3	4			5	1	2	3	4	1		2		3		
	515 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	704 nm	719 nm	785 nm	785 nm	
Product Name	BD Horizon BB515	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	BD Horizon APC-R700	Alexa Fluor® 700	APC-Cy7	BD APC-H7	
CD7		347483*																		
		561933 332773 ^c 555360		561934 332774 ^c 555361		555362		561602	564019	561934 340581* 555361		555362		561604 653311*			561603		564020	
CD8		551347																		
		560960 555634		560959 555635		561946 555636				560959 555635		561946 555636								
		564527 564526	561947 555366 561948 [†]	557696	561949 555367 561950 [†]	562311 562282	561951 555368		560662	560917 557746	561949 555367 561950 [†]	561311 562282	561951 555368	560917 557746	561952 555369 561953 [†]	557708		561026 557945		555365
			345772 ^c					345774 ^c	341050 ^c	335822 ^c				335787*	345775 ^c				561945 348813 ^c 557834	560273 560179 641400*
CD8b				641057*						641057*				641058*						
CD9		341646* 555371		341647* 555372	563641			341649* 561329		341647* 555372	563641			341648* 655409*						
CD10		564639 564638	332775 ^c		561002 332776 ^c 555375	562396		561676 555376		563508	341112 ^c	561002 340921* 555375	562396	561676 555376	341092*		563509			
				658366*																
CD11a (Integrin α^L chain, LFA-1 α)		555383		555384		551131			561387	555384		551131	561387	559875						
		347983*																		
		555379		555380						555380										
CD11b (CR3)				333142 ^c						347557*				333143 ^c						
CD11b/Mac-1 (CR3)	564518 564517	562793	561687 557701	561001 555388		561686 555389			561685 557743	561001 555388		561686 555389	561685 557743	561015 550019		557918	560914 557754		555387	
CD11c (Integrin α^x chain)	564491 564490	561355		560999 555392	562393	561692 551077		658330*	561356	560999 555392	562393	561692 551077	561356	560895 559877			561352			
CD11c (ITGAX, CD11C Integrin α^x chain)				333149 ^c						347637*				333144 ^c						

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			T Cell	B Cell	Dendritic Cell	NK Cell	Macrophage/Monocyte	Granulocyte	Platelet	Erythrocyte	Endothelial Cell	Epithelial Cell	Stem Cell/Precursor	1	2	5	3	4	1	2	3	4	5	6					
Product Name	Clone	React	395 nm	496 nm	661 nm	737 nm	805 nm	421 nm	448 nm	500 nm	510 nm	602 nm	650 nm	711 nm	786 nm	BD Horizon BUV395	BD Horizon BUV496	BD Horizon BUV661	BD Horizon BUV737	BD Horizon BUV805	BD Horizon BV421	BD Horizon V450	BD Horizon V500	BD Horizon BV510	BD Horizon BV605	BD Horizon BV650	BD Horizon BV711	BD Horizon BV786	
CD13	L138	Hu	+	-	-	+	+	-	-	+	+	+																	
	WM15	Hu	+	-	-	+	+	-	-	+	+	+									562596								
CD14	M5E2	Hu ^t	-	-	-	+	+															561390	561392		564055	563420		563699	
	M ϕ P9	Hu	-	-	-	+	+									563562	563561				563744	560350	562693	563079			563373	563698	
CD15	HI98	Hu	-	-	-	+	+	-	-	-	-					563872						561584	561585			564232		563838	
	MMA	Hu	-	-	-	+	+	-	-	-	-											642917*							
	W6D3	Hu	-	-	-	+	+	-	-	-	-												563141	562979		563142			
CD15s	CSLEX1	Hu	+	+			+	+														563912		563529			563910		
CD16	3G8	Hu ^t	+	-	+	+	+	+	-	-						563784	564654		564433		562878	560475	561393	563829	563173	563691	563127	563689	
	B73.1	Hu	+	-	+	+	+	+	-	-						563785	564653		564434		562874	560474	561394	563830	563172	563692		563690	
	CLB/FcGran1	Hu	+	-	+	+	+	+	-	-																			
	NKP15	Hu	+	-	+	+	+	+	-	-																			
CD16b	CLB-gran11.5	Hu						+	-	-																			
CD18 (Integrin β_2 chain, CR3/CR4)	L130	Hu	+	+	+	+	+	+	+	-	-																		
	6.7	Hu ^t	+	+	+	+	+	+	+	-	-											562871							
CD19	4G7	Hu	-	+	+	-	-	-	-	-	-																		
	HIB19	Hu	-	+	+	-	-	-	-	-	-											562441	560354	561125					
	SJ25C1	Hu	-	+	+	-	-	-	-	-	-						563551	564656		564304		644491*		562953	562654	563227	563038	563326	
																563549	564655		564303				562947	562653	563226	563036	563325		

+ Positive^s - Negative

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Visit bdbiosciences.com/eu/colors for the most up-to-date product listings.

Clone

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Surface Markers	Blue Laser (488 nm)									Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)					Biotin	
	1			2	3	4			5	1	2	3	4	1		2		3		
	515 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	704 nm	719 nm	785 nm		785 nm
Product Name	BD Horizon BB515	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	BD Horizon APC-R700	Alexa Fluor® 700	APC-Cy7	BD APC-H7	
CD13				347406 ^c					338439 ^c	347837*			338425*			657698*				
	564649			560998 555394	562491			561361	561599	560998 555394	562491		561599	561698 557454						
CD14		561712 555397	561706 557700	561707 555398				561116 550787	560919 557742	561707 555398			560919 557742	561708 555399			561029 557923			
		345784 ^c	562689	345785 ^c 562691	562334 562335		345786 ^c	562692	562698	347497* 562691	562334 562335			345787 ^c	562690			561709 333951 ^c 557831	560270 560180 641394*	
CD15		560997 555401		561715 555402	562463			560828	560827	561715 555402	562463		560827	561716 551376						
		332778 ^c																		
		562370		562371	562372					562371	562372				562369					
CD15s			563528		563527										563526					
CD16		560996 555406		560995 555407	562320 562293	561725 555408		3338440 ^c 560717	560918 557744	560995 555407	562320 562293	555408 561725	560918 557744		561724 557710		557920 560713	561726 557758	560248 560195	555405
		561308		332779 ^c 561313					335823 ^c	347617* 561313			335788*	561304					561306	
		^{656146*}																		
		335035 ^c																		
CD16b				550868						550868										
CD18 (Integrin β ₂ chain, CR3/CR4)		347953*																		
		555923		555924		557528				555924		557528		551060						
CD19		345776 ^c					345778 ^c													
	564457 564456	560994 555412	561741 557697	555413	562321 562294	560993 555414		561295	560728	561741 555413	562321 562294	560993 555414	560728	561742 555415		564978 564977	561031 557921		560727	555411
		345788 ^c		345789 ^c				345790 ^c	340951*	560911 341113 ^c 557835	340364*			560911 341093* 557835	345791 ^c			561743 348814 ^c 557791	560252 560177 641395*	

Bold catalog numbers denote that the product is a small size (25–30 tests or 25 µg).

* RUO (GMP) status reagents

† Denotes multiple reactivities. To view all reactivities, please find the technical data sheet online at bdbiosciences.com.

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^c CE-IVD: CE marked in compliance with European Directive 98/97/EC (Directive of the European Parliament and of the Council of 27 October 1998 on in vitro diagnostic medical devices).

BD Multicolor Antibody Reagents Catalog **Human** Antibody Reagents

Surface Markers			Emission Max											UV Laser (355 nm)					Violet Laser (405 nm)						
			T Cell	B Cell	Dendritic Cell	NK Cell	Macrophage/Monocyte	Granulocyte	Platelet	Erythrocyte	Endothelial Cell	Epithelial Cell	Stem Cell/Precursor	1	2	5	3	4	1	2	3	4	5	6	
Product Name	Clone	React											395 nm	496 nm	661 nm	737 nm	805 nm	421 nm	448 nm	500 nm	510 nm	602 nm	650 nm	711 nm	786 nm
													BD Horizon BUV395	BD Horizon BUV496	BD Horizon BUV661	BD Horizon BUV737	BD Horizon BUV805	BD Horizon BV421	BD Horizon V450	BD Horizon V500	BD Horizon BV510	BD Horizon BV605	BD Horizon BV650	BD Horizon BV711	BD Horizon BV786
CD20	2H7	Hu	+	+	-	-	-	-	-	-	-	-	563781 563782			564431 564432	564918 564917	562873			563067	563783	563779 563780	563126	
	H1	Hu	+	+														563346							
	L27	Hu	+	+	-	-	-	-	-	-	-	-							655872 ^c 561164	647463*					
CD21 (CR2)	B-ly4	Hu ^t	+	+	+	-	-	-	-	-	+	+				564595 564437		562966	561381 658169*					563163	
CD22 (BL-CAM)	HIB22	Hu	-	+	-	-	-	-	-	-	-	+						563940							
	S-HCL-1	Hu	-	+	-	-	-	-	-	-	-	+													
CD23	EBVCS-5	Hu	+	+	+	-	+	+	+	-	-	+													
	M-L233	Hu	+	+	+	-	+	+	+	-	-	+	564203						562707						
CD24 (Heat stable antigen)	ML5	Hu	-	+	-	-	-	+	-	-	-	+	563818					562789			563035	562788 657714*	563720	563371 563401	
CD25 (IL-2 receptor α chain)	2A3	Hu	+	+	-	+	+	-	-	-	-	-	564034			564386 564385		564033					562661 562660		563159
	M-A251	Hu	+	+	-	+	+	-	-	-	-	-						562443 562442	560356 560355		563351 563352		563718 563719		563700 563701
CD26	L272	Hu	+	+	-	+	+	-	-	-	-	+													
	M-A261	Hu	+	+	-	+	+	-	-	-	-	+													
CD27	L128	Hu	+	+	-	+	-	-	-	-	-	-	563816 563815			564302 564301					563090 563092	562656 562655	563229 563228	563167	563328 563327
	M-T271	Hu ^t	+	+	-	+	-	-	-	-	-	-							560458 560448	561223 561222					
CD28	CD28.2	Hu	+	-	-	-	-	-	-	-	-	-			564438			562613	561377		563075	562976		563131	
	L293	Hu	+	-	-	-	-	-	-	-	-	-													
CD29 (IL-2 Receptor β ₁ chain)	MAR4	Hu	+	+	+	+	+	+	+		+	+	+								563514 563513				
	HUTS-21	Hu	+	+	+	+	+	+	+		+	+	+												

+ Positive^s - Negative

^sPositive refers to any expression of this specificity either in all cells, a subset, or upon activation. Expression may not be high enough to detect by flow cytometry. Empty cells represent lack of information confirming the expression of the marker within the cell type.

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Clone

Highlighted clones denote that the clone is available for the Express Custom Conjugation Service.

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Surface Markers	Blue Laser (488 nm)									Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)						Biotin	
	1			2	3		4			5	1	2	3	4	1		2		3		
	515 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	704 nm	719 nm	785 nm	785 nm		
Product Name	BD Horizon BB515	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	BD Horizon APC-R700	Alexa Fluor® 700	APC-Cy7	BD APC-H7		
CD20		560962 555622		560961 555623	562322 562295	561761 555624		560736	560735	560961 555623	562322 562295	561761 555624	560735	560900 559776			560631		560734		
		345792 ^c		345793 ^c 347220 ^c			345794 ^c	332781 ^c	335828 ^c		346595* 347201*		335793*	340908 ^c				335829 ^c	641414 ^c		
CD21 (CR2)		561372		561768 555422	563474	551064			561374	561768 555422	563474	551064	561374	561767 559867							
CD22 (BL-CAM)		561771 555424		562859		555425		563942	563941	562859		555425		562860							
		337898 ^c		337899 ^c				658329*		347577*				333145 ^c							
CD23		656148*		332782 ^c						341007*				335036 ^c							
		564555	561146		561774 555711			561166	561167	561774 555711			561167	558690			563673		555709		
CD24 (Heat stable antigen)	564522 564521	560992 555427		560991 555428	562405			561647	561646	560991 555428	562405		561646		561644				658331*		
CD25 (IL-2 receptor α chain)	564468 564467	345796 ^c		341011 ^c					335824 ^c	341009*			335789*	340907 ^c							
		560990 555431		560989 555432	562403	560988 555433		560503	560920 557741	560989 555432	562403	560988 555433	560920 557741	560987 555434			561398	561782 557753	560244 560225		
CD26		340426*		340423*						340423*											
		555436		555437						555437				563670							
CD27		340424*		340425*				656643*		340425*				337169*							
		564643 564642	560986 555440		560985 555441	562324 562297		560612	560609	560985 555441	562324 562297		560609	561786 558664			560611		560223 560222		
CD28	564493 564492	561790 555728		561793 555729	562323 562296	561791 555730			560684	561793 555729	562323 562296	561791 555730	560684	561792 559770					561368	555727	
				348047*				337181*		348047*											
CD29 (IL-2 Receptor β, chain)	564565			561795 555443		559882				561795 555443		559882		561794 559883							
				556049						556049											

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BD Multicolor Antibody Reagents Catalog **Human** Antibody Reagents

Surface Markers			Emission Max											UV Laser (355 nm)					Violet Laser (405 nm)										
			T Cell	B Cell	Dendritic Cell	NK Cell	Macrophage/Monocyte	Granulocyte	Platelet	Erythrocyte	Endothelial Cell	Epithelial Cell	Stem Cell/Precursor	1	2	5	3	4	1	2	3	4	5	6					
Product Name	Clone	React	395 nm	496 nm	661 nm	737 nm	805 nm	421 nm	448 nm	500 nm	510 nm	602 nm	650 nm	711 nm	786 nm	BD Horizon BV395	BD Horizon BUV496	BD Horizon BUV661	BD Horizon BUV737	BD Horizon BUV805	BD Horizon BV421	BD Horizon V450	BD Horizon V500	BD Horizon BV510	BD Horizon BV605	BD Horizon BV650	BD Horizon BV711	BD Horizon BV786	
CD30 (Ki-1)	BerH8	Hu	+	+	+	-	-	-	+	-	+										562876								
	Ber-H83	Hu	+	+	+	-	-	-	+	-	+																		
CD31 (PECAM-1)	L133.1	Hu	+	+	+	+	+	-	+																				
	M89D3	Hu	+	+	+	+	+	-	+																				
	WM59	Hu	+	+	+	+	+	-	+													564089	561653		563454	562855			
CD32 (FcγRII)	3D3	Hu																											
	FLI8.26	Hu																											
CD33	HIM3-4	Hu	-	-	+	-	+	+	-	-	-	-	-	+															
	P67.6	Hu	-	-	+	-	+	+	-	-	-	-	-	+															
	WM53	Hu	-	-	+	-	+	+	-	-	-	-	-	+								562854	561157		563257			563171	
CD34 (gp 105-120)	563	Hu	-	-	-	-	-	-	-	-	+	+																	
	581	Hu	-	-	-	-	-	-	-	-	+	+	563778									562577							
	8G12	Hu	-	-	-	-	-	-	-	-	+	+																	
CD35 (CR1)	E11	Hu	+	+	+	-	+	+	-	+																			
CD36	CB38 (NL07)	Hu	-	-	+	-	+	-	+	+	-	+										561535			563518				
	CLB-IVC7	Hu	-	-	+	-	+	-	+	+	-	+																	
CD37	M-8371	Hu	+	+		-	+	+	-	-												561548							
CD38	HB7	Hu	+	+	+	+	+	-														563812 563811			646851*		562666 562665		
	HIT2	Hu	+	+	+	+	+	-														562445 562444	561378		563251			563965	563964
CD39 (ENTPD1, NTPDase)	TÜ66	Hu	+	+	+	+	+		-	+	+															563681	563680		
CD40	5C3	Hu	-	+	+	-	+	-	-	+	+												563396			563456		563397	

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Surface Markers	Blue Laser (488 nm)									Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)						Biotin
	1			2	3	4			5	1	2	3	4	1		2		3		
	515 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	704 nm	719 nm	785 nm	785 nm	
Product Name	BD Horizon BB515	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	BD Horizon APC-R700	Alexa Fluor® 700	APC-Cy7	BD APC-H7	
CD30 (Ki-1)		555829		550041						550041				563500						555828
		341644*		341645*						341645*										
CD31 (PECAM-1)				340297*						340297*										
			558068												558094					
	564630	560984 555445		560983 555446	563652				563651	560983 555446	563652		563651		561654			563653		
CD32 (FcγRII)		552883		552884						552884										
		555448		550586						550586				559769						
CD33		561818 555626																		
		345798 ^c		345799 ^c				333146 ^c	333952 ^c	347787*			333946*	345800 ^c						
	564588			561816 555450		551377				561816 555450		551377		561817 551378			561160			
CD34 (gp 105-120)				550761						550761										
		560942 555821		560941 555822		561819 555823			560710	560941 555822		561819 555823	560710	560940 555824			561440			564669
		345801 ^c		345802 ^c			345803 ^c	347222 ^c	348811 ^c	348057*			348791*	345804 ^c						
CD35 (CR1)		555452		559872						559872										
CD36		561820 555454		561821 555455				561536		561821 555455										
		656151*																		
CD37		555457		561546				561563		561546					561562					
CD38		340909 ^c		342371* 345806 ^c					335825 ^c	342371* 347687*			335790*	345807 ^c						656646*
	564499 564498	560982 555459		560981 555460	562325 562288	561823 555461		561106 551400	560677	560981 555460	562325 562288	561823 555461	560677	560980 555462		564980 564979	560676			
		561444		555464	563678					555464	563678			560239						
CD39 (ENTPD1, NTPDase)		561444		555464	563678					555464	563678			560239						
CD40		561847 555588		560963 555589		555590			561215	560963 555589		555590	561215				561208		561211	

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BD Multicolor Antibody Reagents Catalog **Human** Antibody Reagents

Surface Markers			Emission Max											UV Laser (355 nm)					Violet Laser (405 nm)									
			T Cell	B Cell	Dendritic Cell	NK Cell	Macrophage/Monocyte	Granulocyte	Platelet	Erythrocyte	Endothelial Cell	Epithelial Cell	Stem Cell/Precursor	1	2	5	3	4	1	2	3	4	5	6				
Product Name	Clone	React	395 nm	496 nm	661 nm	737 nm	805 nm	421 nm	448 nm	500 nm	510 nm	602 nm	650 nm	711 nm	786 nm	BD Horizon BUV395	BD Horizon BUV496	BD Horizon BUV661	BD Horizon BUV737	BD Horizon BUV805	BD Horizon BV421	BD Horizon V450	BD Horizon V500	BD Horizon BV510	BD Horizon BV605	BD Horizon BV650	BD Horizon BV711	BD Horizon BV786
CD41a	HIP8	Hu							561425		563250																	
CD41b	HIP2	Hu							563312																			
CD42a	ALMA.16	Hu	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Beb1	Hu	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CD42b	HIP1	Hu	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CD43 (Leukosialin)	1G10	Hu	+	-		+	+	+	+	-										562916			563377	563378				
CD44 (Pgp-1, H-CAM, Ly24)	515	Hu	+	+		+	+	+	-	+	+	+																
	G44-26	Hu	+	+		+	+	+	-	+	+	+									562890	561292		563029	562991			
	L178	Hu	+	+		+	+	+	-	+	+	+																
CD45 (Leucocyte common antigen)	2D1	Hu	+	+	+	+	+	+	-	-	-	-	-	-	+							642275*	655873 ^c					
	HI30	Hu	+	+	+	+	+	+	-	-	-	-	-	-	+	563791				564915	563880	560368	560779	563204	564048	563717	564358	563716
CD45R/B220	RA3-6B2	Hu ^t													563793						562922	560473	561227	563103	563708	563893	563892	563894
CD45RA	HI100	Hu	+	+	+	+	+	-	-	-	-	-	-	+							562885	560363	561640	563031	562886	563963	563733	563870
	L48	Hu	+	+	+	+	+	-	-	-	-	-	-	+														
CD45RB	MT4	Hu	+	+	+	+	+	+	-	-	-	-	-	+														
CD45RO	UCHL1	Hu	+	+	+	+	+	+	-	-	-	-	-	+	564292				564452		562649			563215	562790	563749	563723	564290

+ Positive^s - Negative

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Surface Markers	Blue Laser (488 nm)									Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)						Biotin	
	1			2	3		4			5	1	2	3	4	1		2		3		
	515 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	704 nm	719 nm	785 nm	785 nm		
Product Name	BD Horizon BB515	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	BD Horizon APC-R700	Alexa Fluor® 700	APC-Cy7	BD APC-H7		
CD41a		561851 555466		560979 557297 555467		559768		333148 [‡]	561424	560979 557297 555467		559768	561424	561852 559777					561422		
CD41b		555469																			
CD42a		561853 558818		558819						558819											
		348083*					340537*														
CD42b		561855 555472		561854 555473		551141				561854 555473		551141									
CD43 (Leukosialin)		560978 555475		560199				563521	563522	560199			563522	560198					655407*		
CD44 (Pgp-1, H-CAM, Ly24)				550989						550989											
	564583 564582	560977 555478		561858 555479	562818			560531	560533	561858 555479	562818		560533	560890 559942			561289		560532	555477	
		347943*																			
CD45 (Leucocyte common antigen)		345808 [‡]						345809 [‡]	332784 [‡]					340910 [‡]					561863 348815 [‡] 557833	560274 560178 641417 [‡]	
	564586 564585	560976 555482 561865 [†]		560975 555483 561866 [†]	562312 562279	560974 555484		564106 564105	560915 557748	560975 555483 561866 [†]	562312 562279	560974 555484	560915 557748	560973 555485 561864 [†]			560566			555481	
CD45R/B220		561877 553087 553088	557669	561878 553089 553090	562313 562290	561879 553091	561086 553093	561101 552771	561881 552772	561878 553089 553090	562313 562290	561879 553091	561881 552772	561880 553092	557683		557957	561102 552094		553085 553086	
CD45RA	564552	561882 555488		561883 555489	562326 562298	561885 555490		563429	560675	561883 555489	562326 562298	561885 555490	560675				560673		560674	555487	
		335039 [‡]							337186 [‡]				337167*								
CD45RB				555904						555904											
CD45RO	564530 564529	561887 555492		561889 347967* 555493	562327 562299	561888 555494		560607	337168* 560608	561889 347967* 555493	562327 562299	561888 555494	337168* 560608	560899 559865 340438*			561136		561137		

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Surface Markers			Emission Max											UV Laser (355 nm)					Violet Laser (405 nm)									
			T Cell	B Cell	Dendritic Cell	NK Cell	Macrophage/Monocyte	Granulocyte	Platelet	Erythrocyte	Endothelial Cell	Epithelial Cell	Stem Cell/Precursor	1	2	5	3	4	1	2	3	4	5	6				
Product Name	Clone	React	395 nm	496 nm	661 nm	737 nm	805 nm	421 nm	448 nm	500 nm	510 nm	602 nm	650 nm	711 nm	786 nm	BD Horizon BUV395	BD Horizon BUV496	BD Horizon BUV661	BD Horizon BUV737	BD Horizon BUV805	BD Horizon BV421	BD Horizon V450	BD Horizon V500	BD Horizon BV510	BD Horizon BV605	BD Horizon BV650	BD Horizon BV711	BD Horizon BV786
CD46 (MCP)	E4.3	Hu	+	+		+	+	+	-	+	+																	
CD47 (IAP)	B6H12	Hu	+	+		+	+	+	+	+	+	+									563760	561594			563759		563761	563758
CD48 (BCM1)	TÜ145	Hu	+	+	+	+	-	-	-												562718							
CD49a (Integrin α_1 chain)	SR84	Hu	+	-		+	+	-	-	-	-																	
CD49b (Integrin α_2 chain)	12F1	Hu	+	+		+	+	-	+	-	+	+	+								564119							564120
	AK-7	Hu	+	+		+	+	-	+	-	+	+	+															
CD49c (Integrin α_3 chain)	C3 II.1	Hu	+	+		-	+			-	+	+																
CD49d (Integrin α_4 chain)	9F10	Hu [†]	+	+	+	+	+	-	-	-	+													563458			563177	
	L25	Hu	+	+	+	+	+	-	-	-	+																	
CD49e (Integrin α_5 chain)	IIA1	Hu [†]	+		+	+				+	+	+	+															
CD49f (Integrin α_6 chain)	GoH3	Hu [†]	+				+		+		+	+	+											563271		563706 563707		
CD50 (ICAM-3)	TÜ41	Hu	+	+		+	+	+	-	-	+	-	+															564212
CD51/61	23C6	Hu [†]																										
CD52	4C8	Hu	+	+	+		+	+																				563305
CD53	HI29	Hu	+	+	-	+	+	+	-	-		-	+															
CD54 (ICAM-1)	HA58	Hu	+	+			+				+										564077							564078
	LB-2	Hu	+	+			+				+																	
CD55 (DAF)	IA10	Hu	+	+		+	+	+	+	+	+	+	+															

Choose from our extensive portfolio of high-quality fluorescent-conjugated reagents to build your multicolor flow cytometry panels.



Surface Markers	Blue Laser (488 nm)									Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)						Biotin
	1			2	3	4			5	1	2	3	4	1		2		3		
	515 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	704 nm	719 nm	785 nm	785 nm	
Product Name	BD Horizon BB515	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	BD Horizon APC-R700	Alexa Fluor® 700	APC-Cy7	BD APC-H7	
CD46 (MCP)		555949		564252						564252				564253						
CD47 (IAP)		556045		556046				561261		556046					561249					
CD48 (BCM1)		555759		552855	562717					552855	562717									
CD49a (Integrin α ₁ chain)				559596						559596										
CD49b (Integrin α ₂ chain)				555669	564121					555669					564118					
		555498			564317										564314					
CD49c (Integrin α ₃ chain)				556025						556025										
CD49d (Integrin α ₄ chain)	564593	560840		560972 555503	563645	559880		563644		560972 555503	563645	559880		561892 559881					658332*	
				340296*						340296*										
CD49e (Integrin α ₅ chain)				561894 555617						555617					563578				555616	
CD49f (Integrin α ₆ chain)		561893 555735		561894 555736	562493 562474	551129		562495 562475		561894 555736	562493 562474	551129			562494 562473					
CD50 (ICAM-3)		555958		564209						564209										
CD51/61		555505		550037						550037										
CD52			563609	562945						562945					563610				563611	
CD53				555508						555508										
CD54 (ICAM-1)				560971 555511		555512				560971 555511		555512		561899 559771					559817	
				347977*						347977*										
CD55 (DAF)		561900 555693		561901 341030* 555694		555695				561901 341030* 555694		555695		555696					555692	

Bold catalog numbers denote that the product is a small size (25–30 tests or 25 µg).

* RUO (GMP) status reagents

† Denotes multiple reactivities. To view all reactivities, please find the technical data sheet online at bdbiosciences.com.

‡ Denotes that the product is a large size (250 or 500 tests)

§ CE-IVD: CE marked in compliance with European Directive 98/97/EC (Directive of the European Parliament and of the Council of 27 October 1998 on in vitro diagnostic medical devices).

BD Multicolor Antibody Reagents Catalog Human Antibody Reagents

Surface Markers														UV Laser (355 nm)					Violet Laser (405 nm)									
			Emission Max											1	2	5	3	4	1	2	3	4	5	6				
			395 nm	496 nm	661 nm	737 nm	805 nm	421 nm	448 nm	500 nm	510 nm	602 nm	650 nm	711 nm	786 nm													
Product Name	Clone	React	T Cell	B Cell	Dendritic Cell	NK Cell	Macrophage/Monocyte	Granulocyte	Platelet	Erythrocyte	Endothelial Cell	Epithelial Cell	Stem Cell/Precursor	BD Horizon BUV395	BD Horizon BUV496	BD Horizon BUV661	BD Horizon BUV737	BD Horizon BUV805	BD Horizon BV421	BD Horizon V450	BD Horizon V500	BD Horizon BV510	BD Horizon BV605	BD Horizon BV650	BD Horizon BV711	BD Horizon BV786		
CD56 (N-CAM)	B159	Hu	+			+																560361 560360						
	MY31	Hu	+			+																						
	NCAM16.2	Hu	+			+								563555 563554			564448 564447							563041	562779 562780	564057	563169	564058
	R19-760	Hu	+			+																						
CD57	HNK-1	Hu	+			+																						
	NK-1	Hu	+			+												563896							563895			
CD58 (LFA-3)	1C3	Hu ^t	+	+	+	+	+	+	+	+	+	+	+					564363							564362			
	L306.4	Hu	+	+	+	+	+	+	+	+	+	+	+															
CD59	p282 (H19)	Hu	+			+	+	+		+								564329										
CD61 (Integrin β ₃ chain)	VI-PL2	Hu ^t						+		+		+												563303		564172		
	RUU-PL7F12	Hu						+		+		+																
CD62E (E-selectin)	68-5H11	Hu																563360						563359		563358		
CD62L (L-selectin)	SK11	Hu	+	+		+	+	+																				
	Dreg 56	Hu	+	+		+	+	+						563862									560441 560440		563203		563808	
CD62P (P-selectin)	AC1.2	Hu ^t								+		+																
	AK-4	Hu								+		+						564037 564038							564035 564036	563714 563715		
CD63	H5C6	Hu ^t	+	+	-	+	+	+		+										561984								
CD64	10.1	Hu													564426 564425			562872	561202			563459						
	MD22	Hu																										
CD66 (CEA, carcino-embryonic antigen)	B1.1/CD66	Hu	-	-		-		+	-	-	-	+						562741										

+ Positive^s - Negative

^sPositive refers to any expression of this specificity either in all cells, a subset, or upon activation. Expression may not be high enough to detect by flow cytometry. Empty cells represent lack of information confirming the expression of the marker within the cell type.

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Surface Markers	Blue Laser (488 nm)									Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)						Biotin	
	1			2	3		4			5	1	2	3	4	1		2		3		
	515 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	704 nm	719 nm	785 nm	785 nm		
Product Name	BD Horizon BB515	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	BD Horizon APC-R700	Alexa Fluor® 700	APC-Cy7	BD APC-H7		
CD56 (N-CAM)	564489 564488	562794	561905 557699	561903 555516	562328 562289	561904 555517		560842	560916 557747	561903 555516	562328 562289	561904 555517	560916 557747	555518	557711		561902 557919				
				345810 ^c						347747*											
		345811 ^c		345812 ^c					335826 ^c	340363*				335791*	341027 ^c		657886*				
CD57		333169 ^c																		347391*	
		561906 555619		560844	562488					560844	562488			560845							
CD58 (LFA-3)		561907 555920		555921		551399				555921		551399			563567						
				340295*						340295*											
CD59		560954 555763		560953 555764						560953 555764										555762	
CD61 (Integrin β ₃ chain)		561913 555753		561912 555754				564173		561912 555754				564174							
		347407 ^c						347408 ^c													
CD62E (E-selectin)				551145		550040				551145		550040		551144						555649	
CD62L (L-selectin)		347443*		341012*						341012*											
		561914 555543		555544	562330 562301	561915 555545				555544	562330 562301	561915 555545		561916 559772							
CD62P (P-selectin)				348107*						348107*											
	564636	561922 555523		561921 555524		551142				561921 555524		551142		561920 550888							
CD63		561926 557288		561925 556020					561982	561925 556020			561982		561983						
CD64		560970 555527		561926 558592 644385*				561194	561191	561926 558592 644385*			561191	561189			561188		561190	555526	
																657700*					
CD66 (CEA, carcino-embryonic antigen)		551479		551480						551480											

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* RUO (GMP) status reagents

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BD Multicolor Antibody Reagents Catalog **Human** Antibody Reagents

Surface Markers			Emission Max											UV Laser (355 nm)					Violet Laser (405 nm)							
			T Cell	B Cell	Dendritic Cell	NK Cell	Macrophage/Monocyte	Granulocyte	Platelet	Erythrocyte	Endothelial Cell	Epithelial Cell	Stem Cell/Precursor	1	2	5	3	4	1	2	3	4	5	6		
Product Name	Clone	React											395 nm	496 nm	661 nm	737 nm	805 nm	421 nm	448 nm	500 nm	510 nm	602 nm	650 nm	711 nm	786 nm	
													BD Horizon BUV395	BD Horizon BUV496	BD Horizon BUV661	BD Horizon BUV737	BD Horizon BUV805	BD Horizon BV421	BD Horizon V450	BD Horizon V500	BD Horizon BV510	BD Horizon BV605	BD Horizon BV650	BD Horizon BV711	BD Horizon BV786	
CD66b	G10F5	Hu	-	-	-		+	-	-	-								562940	561649							
CD66c (CEA, carcino-embryonic antigen)	B6.2/CD66c	Hu	-	-	-		+	-	-	-	+															
CD68	Y1/82A	Hu	+	+	+		+	+	-	-																
CD69 (Very early activation antigen)	FN50	Hu [†]	+	+		+	+	+	+				564364			564439		562884	560740				562989	563835	563836	563834
	L78	Hu	+	+		+	+	+	+																	
CD70	Ki-24	Hu	+	+	-	-	-	-	-	-	-															
CD71 (Transferrin receptor)	L01.1	Hu	-	-	-	-				-	+															
	M-A712	Hu	-	-	-	-				-	+							562995							563767	563768
CD72	J4-117	Hu		+		-	+	-	-	-																
CD73 (Ecto-5'-nucleotidase)	AD2	Hu	+	+	+	-	-	-	-	-	+	+	+					562431 562430	561255		563198	563199				
CD74	M-B741	Hu	+	+	+		+				+	+														
CD75	LN1	Hu		+		-	+	-	-	+	-	-														
CD77	5B5	Hu	-	+		-	-	-	-	-	+	+										563630				
CD79a (Igα, mb-1)	HM47	Hu [†]	-	+		-	-	-	-	-	-	-						562852								
CD79b (Igβ)	CB3-1	Hu	-	+		-	-	-	-	-	-	-														
	SN8	Hu	-	+		-	-	-	-	-	-	-														
CD80 (B7-1)	BB1	Hu	+	+	+	-	+	-	-	-	-	-														
	L307.4	Hu	+	+	+	-	+	-	-	-	-	-						564160	560444 560442		563084	563315	564158		564159	

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Surface Markers	Blue Laser (488 nm)									Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)						Biotin	
	1			2	3		4			5	1	2	3	4	1		2		3		
	515 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	704 nm	719 nm	785 nm	785 nm		
Product Name	BD Horizon BB515	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	BD Horizon APC-R700	Alexa Fluor® 700	APC-Cy7	BD APC-H7		
CD66b		561927 555724		561650				562254		561650					561645						
CD66c (CEA, carcino-embryonic antigen)		551775		551478						551478											
CD68		562117		556078						556078					562111						
CD69 (Very early activation antigen)		560969 555530		560968 555531	562617	555532			561928 557745	560968 555531	562617	555532	561928 557745	560967 555533			560739	560912 557756			
		347823*		341652*			340548*		335792*	341652*				335792*	340560*						
CD70		555834		561935 555835	562484					561935 555835	562484										
		333151 ^c												337447 ^c							
CD71 (Transferrin receptor)		561939 555536		561938 555537		551143				561938 555537		551143		561940 551374			563769		563671 655408*		
		555918																			
CD73 (Ecto-5'-nucleotidase)		561254		561014 550257	562817			561260	561258	561014 550257	562817		561258	560847							
CD74		555540																			
CD75		555654																			
CD77		551353			563631						563631				563632						
CD79a (Igα, mb-1)				333152 ^c 555935 561942				333153 ^c		340579* 555935 561942				333154 ^c 551134							
				561943 555679		551063				561943 555679		551063		550955							
CD79b (Igβ)		335832 ^c		335833 ^c 557931				656644*		335799* 557931				335834 ^c		657702*					
		555683																	555682		
CD80 (B7-1)		560926 557226		560925 557227		559370			561135	560925 557227		559370	561135				561133		561134		

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BD Multicolor Antibody Reagents Catalog **Human** Antibody Reagents

Surface Markers			Emission Max											UV Laser (355 nm)					Violet Laser (405 nm)										
			T Cell	B Cell	Dendritic Cell	NK Cell	Macrophage/Monocyte	Granulocyte	Platelet	Erythrocyte	Endothelial Cell	Epithelial Cell	Stem Cell/Precursor	1	2	5	3	4	1	2	3	4	5	6					
Product Name	Clone	React	395 nm	496 nm	661 nm	737 nm	805 nm	421 nm	448 nm	500 nm	510 nm	602 nm	650 nm	711 nm	786 nm	BD Horizon BUV395	BD Horizon BUV496	BD Horizon BUV661	BD Horizon BUV737	BD Horizon BUV805	BD Horizon BV421	BD Horizon V450	BD Horizon V500	BD Horizon BV510	BD Horizon BV605	BD Horizon BV650	BD Horizon BV711	BD Horizon BV786	
			CD81 (TAPA-1)	JS-81	Hu	+	+	+	+	+																			
CD82	423524	Hu	+	+		+	+	+																					
CD83	HB15e	Hu ^t	-	+	+	-	-	-	-	-	-	-	-	-					564441		562630			563223					
CD85a (ILT5)	222821	Hu	+	-	+	-	+	+	-	-	-	-	-	+															
CD85d (ILT4)	287219	Hu	-	-	+	-	+	+	-	-	-	-	-	-															
CD85g (ILT7)	17G10.2	Hu				+															562578								
CD85j	GHI/75	Hu	+	+	+	+	+		-	-	-	-	-	-															
CD85k (ILT3)	ZM3.8	Hu	-	-	+	-	+	+	-	-	-	-	-	+															
CD86 (B70/B7-2)	IT2.2	Hu	+	+	+	-	+	-	-	-	+	-	-	-															
	2331 (FUN-1)	Hu ^t	+	+	+	-	+	-	-	-	+	-	-	-					564428		562433 562432	560359 560357		563460 563461	562999	563411 563412	563158		
CD87	VIM5	Hu	+	-		+	+	+	-	-	+	-	-	-															
CD88 (C5a receptor)	C85-4124	Hu	-	-	+	-	+	+	-	-	+	+	-	-															
	D53-1473	Hu	-	-	+	-	+	+	-	-	+	+	-	-															
CD89	A59	Hu	-	-		-	+	+	-	-	+	-	-	-															
CD90 (Thy-1)	5E10	Hu ^t	-	-		-	-	-	-	-	+	-	+	+	563804						562556			563070	562686 562685				
CD91	A2MR-a2	Hu	-	-		-	+	-	-	-	-	-	+	+															
CDw93 (C1qRp)	R139	Hu	-	-	-	-	+	+	-	-	+	-	-	-															
CD94	HP-3D9	Hu	+	-		+	-	-	-	-	-	-	-	-															
CD95 (Fas/APO-1)	DX2	Hu ^t	+	+		+	+	+	-	-										564710	562616	561632						563132	
CD96	6F9	Hu	+	-		+	-	-	-	-																		563174	
CD97	VIM3b	Hu	+	+	+	+	+	+	-	-																			

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Surface Markers	Blue Laser (488 nm)									Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)						Biotin
	1			2	3	4			5	1	2	3	4	1		2		3		
	515 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	704 nm	719 nm	785 nm	785 nm	
Product Name	BD Horizon BB515	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	BD Horizon APC-R700	Alexa Fluor® 700	APC-Cy7	BD APC-H7	
CD81 (TAPA-1)		561956 551108		561957 555676						561957 555676				561958 551112					656647*	
CD82															564341					
CD83		560929 556910		561959 550634 556855	562631	551058			561132	561959 550634 556855	562631	551058	561132	561960 551073						
CD85a (ILT5)															564469					
CD85d (ILT4)															564345					
CD85g (ILT7)				562320	562557					562320	562557			562355						
CD85j		555942		551053		551054				551053		551054								
CD85k (ILT3)				564181						564181					564182					
CD86 (B70/B7-2)				555665		555666				555665		555666							555664	
	564545 564544	560958 555657		560957 555658	562390	555659		561129	561128	560957 555658	562390	555659	561128	555660			561124		555656	
CD87				555768						555768										
CD88 (C5a receptor)				552993						552993										
				550494						550494										
CD89				555686						555686										
CD90 (Thy-1)		561969 555595		561970 555596		561972 555597		561557	561558	561970 555596		561972 555597	561558	561971 559869					555594	
CD91		550496		550497						550497										
CDw93 (C1qRp)		551531																		
CD94		555888		555889				562361		555889				559876						
CD95 (Fas/APO-1)		561975 340479* 555673		561976 340480* 555674		561977 559773		561655	561633	561976 340480* 555674		561977 559773	561633	561978 340481* 558814					555672	
CD96				562379						562379										
CD97		555773		555774						555774										

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BD Multicolor Antibody Reagents Catalog **Human** Antibody Reagents

Surface Markers			Emission Max											UV Laser (355 nm)					Violet Laser (405 nm)						
			T Cell	B Cell	Dendritic Cell	NK Cell	Macrophage/Monocyte	Granulocyte	Platelet	Erythrocyte	Endothelial Cell	Epithelial Cell	Stem Cell/Precursor	1	2	5	3	4	1	2	3	4	5	6	
Product Name	Clone	React											395 nm	496 nm	661 nm	737 nm	805 nm	421 nm	448 nm	500 nm	510 nm	602 nm	650 nm	711 nm	786 nm
													BD Horizon BUV395	BD Horizon BUV496	BD Horizon BUV661	BD Horizon BUV737	BD Horizon BUV805	BD Horizon BV421	BD Horizon V450	BD Horizon V500	BD Horizon BV510	BD Horizon BV605	BD Horizon BV650	BD Horizon BV711	BD Horizon BV786
CD98	UM7F8	Hu	+	+		+	+	+	-	+	+														
CD99	TÜ12	Hu	+	+		+	+	-	+	+	+	+													
CD100 (Sema4D)	A8	Hu	+	+	-	+	+	+	-	-	-														
CD102 (ICAM-2)	CBR-1C2/2.1	Hu	+	+			+	-		-	+														
CD103	Ber-ACT8	Hu	+	-		-	-	-	-	-	-		564346					563882							563162
CD104 (Integrin β_4 chain)	439-9B	Hu	-	-		-	-	-	-	+	+	+													
CD105	266	Hu	-	-		-	+	-	-	-	+	+	563803					563920	561447		563264	562664	563466		
CD106 (VCAM-1)	51-10C9	Hu	-	-	-	-	-	-	-	+												563307			
CD107a (LAMP-1)	H4A3	Hu	+	-		-		+	+	-	+							562623	561345		563078				563869
CD107b (LAMP-2)	H4B4	Hu	+	-		-		+	+	-	+														
CD108	KS-2	Hu	+	+				-	-	+															
CD109	TEA 2/16	Hu	+	-		-	-	-	+	-	+	+													
CD110	1.6.1	Hu	-	-	-	-	-	-	+	-	+	+						562672							
CD112 (PRR2)	R2.525	Hu	-				+	-	+	-	+	+													
CD114 (G-CSF receptor)	LMM741	Hu	-	-		-	+	+	+	-	+	+													
CD116 (GM-CSF receptor α chain)	hGMCSFR-M1	Hu	-	-	+	-	+	+	-	-								564045						564044	
	M5D12	Hu	-	-	+	-	+	+	-	-															
CD117 (c-kit)	104D2	Hu	-	-	-	-	-	-	-	-		+						563856				562687 657870*	563859		
	YB5.B8	Hu	-	-	-	-	-	-	-	-		+						562435 562434							
CD119 (IFN- γ receptor α chain)	GIR-208	Hu	+	+		+	+	+	-	+															
	GIR-94	Hu	+	+		+	+	+	-	+															

+ Positive[§] - Negative

[§]Positive refers to any expression of this specificity either in all cells, a subset, or upon activation. Expression may not be high enough to detect by flow cytometry. Empty cells represent lack of information confirming the expression of the marker within the cell type.

Clone

Highlighted clones denote that the clone is available for the Express Custom Conjugation Service.

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Surface Markers	Blue Laser (488 nm)									Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)						Biotin	
	1			2	3		4			5	1	2	3	4	1		2		3		
	515 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	704 nm	719 nm	785 nm	785 nm		
Product Name	BD Horizon BB515	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	BD Horizon APC-R700	Alexa Fluor® 700	APC-Cy7	BD APC-H7		
CD98		556076		556077						556077											
CD99		561986 555688		555689						555689											
CD100 (Sema4D)															564873						
CD102 (ICAM-2)	564676			558080						558080											
CD103		561677 333155 ^c 550259		333156 ^c 550260						340998* 550260				563883							
CD104 (Integrin β ₄ chain)				555720						555720											
CD105		561443		560839				560819		560839					561439						
CD106 (VCAM-1)		551146		561679 555647		551148		563525		561679 555647		551148		551147							
CD107a (LAMP-1)		560949 555800		560948 555801		560947 555802			561348	560948 555801		560947 555802	561348	641581* 560664	562622		561340		561343	555799	
CD107b (LAMP-2)		560946 555804				562628					562628										
CD108				552830						552830											
CD109				556040						556040											
CD110				562159	562416					562159	562416			562199	562188						
CD112 (PRR2)				551057						551057											
CD114 (G-CSF receptor)				554538						554538											
CD116 (GM-CSF receptor α chain)				551373						551373					564046						
		554532																			
CD117 (c-kit)				340529 [†]				333950 ^c	339217 ^c	332785 ^c			339217 ^c	333233 ^c							
				561682 555714	562407	559879		562094		561682 555714	562407	559879		561118 550412							
CD119 (IFN-γ receptor α chain)				558934						558934											
				558937						558937											

Bold catalog numbers denote that the product is a small size (25–30 tests or 25 µg).

* RUO (GMP) status reagents

[†] Denotes multiple reactivities. To view all reactivities, please find the technical data sheet online at bdbiosciences.com.

[‡] Denotes that the product is a large size (250 or 500 tests)

^c CE-IVD: CE marked in compliance with European Directive 98/97/EC (Directive of the European Parliament and of the Council of 27 October 1998 on in vitro diagnostic medical devices).

BD Multicolor Antibody Reagents Catalog **Human** Antibody Reagents

Surface Markers			Emission Max											UV Laser (355 nm)					Violet Laser (405 nm)					
			T Cell	B Cell	Dendritic Cell	NK Cell	Macrophage/Monocyte	Granulocyte	Platelet	Erythrocyte	Endothelial Cell	Epithelial Cell	Stem Cell/Precursor	1	2	5	3	4	1	2	3	4	5	6
Product Name	Clone	React																						
			BD Horizon BUV395	BD Horizon BUV496	BD Horizon BUV661	BD Horizon BUV737	BD Horizon BUV805										BD Horizon BV421	BD Horizon V450	BD Horizon V500	BD Horizon BV510	BD Horizon BV605	BD Horizon BV650	BD Horizon BV711	BD Horizon BV786
CD120b (TNF receptor type II)	hTNFR-M1	Hu	+	+	+	+	+	+	-	+	+													
CD122 (IL-2 receptor β chain)	Mikβ2	Hu	+	+		+	+	-	-	-														
	Mik-β3	Hu	+	+		+	+	-	-	-						562887			563093					
	TU27	Hu	+	+		+	+	-	-	-														
CD123 (IL-3 receptor α chain)	7G3	Hu	-	-	+		-	+			+	564195				563362					564197	563405		564196
	9F5	Hu	-	-	+		-	+			+								563072				563161	
CD124 (IL-4 receptor α chain)	hIL4R-M57	Hu	+	+	-	-	+	-	-	-	+	+												
CDw125 (IL-5 receptor α chain)	A14	Hu	-	+		-	-	+	-	-														
CD126 (IL-6 receptor α chain)	M5	Hu	+	+	-	-	-	-								564163								
CD127 (IL-7 receptor α subunit)	hIL-7R-M21	Hu	+	-			+	-	-	-			564300			562437 562436	560823		563086	562662	563225	563165	563324	
CD130 (gp130)	AM64	Hu	+	+	-	+	+	+	-	+	+					564153						564154		
CDw131	3D7															564192								

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Surface Markers	Blue Laser (488 nm)									Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)						Biotin
	1			2	3	4			5	1	2	3	4	1		2		3		
	515 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	704 nm	719 nm	785 nm	785 nm	
Product Name	BD Horizon BB515	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	BD Horizon APC-R700	Alexa Fluor® 700	APC-Cy7	BD APC-H7	
CD120b (TNF receptor type II)				552418						552418					562909					552477
CD122 (IL-2 receptor β chain)				554522						554522										
				554525						554525										554524
				340254*						340254*										
CD123 (IL-3 receptor α chain)		561694 558663		561058 554529	562391			560904 558714	560826	561058 554529	562391		560826	560087						554528
				561050 555644 340545*		561009 551065				561050 555644 340545*		561009 551065		658171*	563599					555643
CD124 (IL-4 receptor α chain)				552178						552178										552120
CDw125 (IL-5 receptor α chain)				555902						555902										
CD126 (IL-6 receptor α chain)	564623			561696 551850	564162					561696 551850				562090						
CD127 (IL-7 receptor α subunit)		561697 560549		561028 557938	562397			560551	560822	561028 557938	562397		560822		560905 558598					558633
CD130 (gp130)				555757	564152					555757					564151					
CDw131				564190						564190					564191					

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* RUO (GMP) status reagents

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BD Multicolor Antibody Reagents Catalog **Human** Antibody Reagents

Surface Markers			Emission Max											UV Laser (355 nm)					Violet Laser (405 nm)									
			T Cell	B Cell	Dendritic Cell	NK Cell	Macrophage/Monocyte	Granulocyte	Platelet	Erythrocyte	Endothelial Cell	Epithelial Cell	Stem Cell/Precursor	1	2	5	3	4	1	2	3	4	5	6				
Product Name	Clone	React	395 nm	496 nm	661 nm	737 nm	805 nm	421 nm	448 nm	500 nm	510 nm	602 nm	650 nm	711 nm	786 nm	BD Horizon BUV395	BD Horizon BUV496	BD Horizon BUV661	BD Horizon BUV737	BD Horizon BUV805	BD Horizon BV421	BD Horizon V450	BD Horizon V500	BD Horizon BV510	BD Horizon BV605	BD Horizon BV650	BD Horizon BV711	BD Horizon BV786
CD132 (Common γ chain)	TUGh4	Hu ^f	+	+	+	+	+	-																563446		563406		
	AG184	Hu	+	+	+	+	+	-													562881							563129
CD134 (OX40)	ACT35	Hu	+		-	-	-																				563658	563664
	L106	Hu	+		-	-	-																					
CD135	4G8	Hu	-	-	-	-	-	-	-												564708						563909	563908
CD137 (4-1BB)	4B4-1	Hu	+	+	-	+	-														564091						564092	
CD137 Ligand (4-1BB ligand)	C65-485	Hu																										
CD138 (Syndecan-1)	DL-101	Hu	-	+	-	-	-	-	-	+	+	+																
	Mi15	Hu	-	+	-	-	-	-	-	+	+	+			564393						562935	562098	650659*	563091	563294		563184	
CD140a (PDGFR α)	α R1	Hu	-	-	-	-	-	+	-	+											562799							
CD140b (PDGFR β)	28D4	Hu	-	-	-	-	-	-	-	+											564124							
CD141 (Thrombomodulin)	1A4	Hu	-	-	-	+	+	+	+	+	-													563298			563155	
CD142	HTF-1	Hu	-	-	-	+	-	-	+	+																		
CD144	55-7H1	Hu	-	-	-	-	-	-	-	+	-											561569						
CD146	P1H12	Hu	+	-	-	-	-	-	+						564326						564325	562136		563255			563186	
CD147 (Neurothelin)	HIM6	Hu	+	+	+	+	+	+	+	+											562583			563249	563248			
CD148	A3	Hu	+	+	+	+	+	+	-																			
CD150	A12	Hu	+	+	+	-	-	-	-	+											562875							
CD151 (PETA-3)	14A2.H1	Hu	-	-	-	-	-	+	+	+																		
CD152 (CTLA-4)	BNI3	Hu	+	+	-	-	-	-													562743							563931

+ Positive^s - Negative

^sPositive refers to any expression of this specificity either in all cells, a subset, or upon activation. Expression may not be high enough to detect by flow cytometry. Empty cells represent lack of information confirming the expression of the marker within the cell type.

Clone

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Surface Markers	Blue Laser (488 nm)									Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)						Biotin
	1			2	3	4			5	1	2	3	4	1		2		3		
	515 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	704 nm	719 nm	785 nm	785 nm	
Product Name	BD Horizon BB515	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	BD Horizon APC-R700	Alexa Fluor® 700	APC-Cy7	BD APC-H7	
CD132 (Common γ chain)	564528			561699 555898	563683					561699 555898	563683				563682					555897
				555900						555900										
CD134 (OX40)		555837		561700 555838	563662	551500		563659	563663	561700 555838	563662	551500	563663	563473						
				340420*						340420*										
CD135				558996						558996					563494					
CD137 (4-1BB)				561701 555956		551137				561701 555956		551137		561702 550890						552533
CD137 Ligand (4-1BB ligand)				559446						559446										
CD138 (Syndecan-1)				550805						550805										
		561703 347214 ^c 552723		561704 347215 ^c 552026	564606			341107 ^c 564605		561704 347192* 552026	564606				347216 ^c 564715	562097				
CD140a (PDGFR α)	564594			556002				563575		556002					562798					
CD140b (PDGFR β)				558821				562714		558821										
CD141 (Thrombomodulin)				559781						559781				564123						
CD142				561713 550312						561713 550312										
CD144		560874 560411		561714 560410				561566		561714 560410					561567					
CD146	564644	560846		561013 550315	564327			562134	562135	561013 550315	564327		562135		563619					
CD147 (Neurothelin)		555962		562552	562553			562554		562552	562553				562551					
CD148															564732					
CD150				559592						559592										
CD151 (PETA-3)				556057						556057										
CD152 (CTLA-4)				560939 555853	562742	561717 555854				560939 555853	562742	561717 555854		560938 555855						555852

Bold catalog numbers denote that the product is a small size (25–30 tests or 25 μ g).

* RUO (GMP) status reagents

† Denotes multiple reactivities. To view all reactivities, please find the technical data sheet online at bdbiosciences.com.

‡ Denotes that the product is a large size (250 or 500 tests)

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BD Multicolor Antibody Reagents Catalog **Human** Antibody Reagents

Surface Markers			Emission Max											UV Laser (355 nm)					Violet Laser (405 nm)										
			T Cell	B Cell	Dendritic Cell	NK Cell	Macrophage/Monocyte	Granulocyte	Platelet	Erythrocyte	Endothelial Cell	Epithelial Cell	Stem Cell/Precursor	1	2	5	3	4	1	2	3	4	5	6					
Product Name	Clone	React	395 nm	496 nm	661 nm	737 nm	805 nm	421 nm	448 nm	500 nm	510 nm	602 nm	650 nm	711 nm	786 nm	BD Horizon BUV395	BD Horizon BUV496	BD Horizon BUV661	BD Horizon BUV737	BD Horizon BUV805	BD Horizon BV421	BD Horizon V450	BD Horizon V500	BD Horizon BV510	BD Horizon BV605	BD Horizon BV650	BD Horizon BV711	BD Horizon BV786	
CD154 (CD40L)	89-76	Hu	+	-	-	-	-	-	-	-	-	-	-	-	-														
	TRAP1	Hu	+	-	-	-	-	-	-	-	-	-	-	-	-						563886								
CD157	SY/11B5	Hu			+		+	+																					
CD158a	HP-3E4	Hu	+			+																						563183	
CD158b	CH-L	Hu	+			+																							
CD158i (KIR2DS4)	179315	Hu	+			+																							
CD160	BY55	Hu	+	-		+																							
CD161	DX12	Hu	+	-	-	+			-	-	-	-	-	-							562615			563212	563863	563864	563865		
CD162 (PSGL-1)	KPL-1	Hu	+	+			+	+	-	-	-	-	-	+															
CD163	GHI/61	Hu	-	-	-		+	-	-	-	-	-	-	-							562643					563888	563889		
CD164	N6B6	Hu	+	+			+	-		-	-	+	+																
CD166	3A6	Hu	+	+			+	-			+	+									562936								
CD171	5G3	Hu																											
CD172a (SIRPα)	SE5A5	Hu			+		+																						
CD172b (SIRPβ)	B4B6	Hu			+		+																						
CD177	MEM-166	Hu																			564240								
CD178	NOK-1	Hu																											
CD180 (RP105)	G28-8	Hu		+	+		+																						
CD181 (CXCR1, IL-8RA, CD128a)	5A12	Hu	+				+	+																					
CD182 (CXCR2, IL-8RB, CD128b)	6C6	Hu	+				+	+																					
CD183 (CXCR3)	1C6/CXCR3	Hu	+			+		+													562558				564032		563156		

+ Positive[§] - Negative

[§]Positive refers to any expression of this specificity either in all cells, a subset, or upon activation. Expression may not be high enough to detect by flow cytometry. Empty cells represent lack of information confirming the expression of the marker within the cell type.

Visit bdbiosciences.com/eu/colors for the most up-to-date product listings.

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Surface Markers	Blue Laser (488 nm)									Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)						Biotin
	1			2	3	4			5	1	2	3	4	1		2		3		
	515 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	704 nm	719 nm	785 nm	785 nm	
Product Name	BD Horizon BB515	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	BD Horizon APC-R700	Alexa Fluor® 700	APC-Cy7	BD APC-H7	
CD154 (CD40L)				340477*						340477*										
		561721 555699		555700	563589	561722 555701				555700	563589	561722 555701		560955 555702				563588		
CD157				564214						564214										
CD158a		340531* 556062		556063						556063										
CD158b		559784		561723 559785						561723 559785										
CD158i (KIR2DS4)															564375					
CD160			562351	562118						562118					562362					
CD161		340536* 556080		340530* 556081		551138				340530* 556081		551138		561729 550968	562669					
CD162 (PSGL-1)				556055						556055					562758					
CD163		563697		560933 556018	562670			563887		560933 556018	562670				562669					
CD164		551297		551298				561196		551298					561201					
CD166				560903 559263				562131		560903 559263										
CD171				564193						564193					564194					
CD172a (SIRPα)				563441						563441										
CD172b (SIRPβ)				552602						552602										
CD177				564239						564239					564238					
CD178				564261						564261					564262					
CD180 (RP105)				551953						551953										
CD181 (CXCR1, IL-8RA, CD128a)		555939		555940		551081				555940		551081		551080						
CD182 (CXCR2, IL-8RB, CD128b)		551126		555933		551125				555933		551125		551127						
CD183 (CXCR3)			561730 558047	560928 557185	562451	561731 551128		560832	560831	560928 557185	562451	561731 551128	560831	561732 550967			561320			

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BD Multicolor Antibody Reagents Catalog **Human** Antibody Reagents

Surface Markers			Emission Max											UV Laser (355 nm)					Violet Laser (405 nm)										
			T Cell	B Cell	Dendritic Cell	NK Cell	Macrophage/Monocyte	Granulocyte	Platelet	Erythrocyte	Endothelial Cell	Epithelial Cell	Stem Cell/Precursor	1	2	5	3	4	1	2	3	4	5	6					
Product Name	Clone	React	395 nm	496 nm	661 nm	737 nm	805 nm	421 nm	448 nm	500 nm	510 nm	602 nm	650 nm	711 nm	786 nm	BD Horizon BUV395	BD Horizon BUV496	BD Horizon BUV661	BD Horizon BUV737	BD Horizon BUV805	BD Horizon BV421	BD Horizon V450	BD Horizon V500	BD Horizon BV510	BD Horizon BV605	BD Horizon BV650	BD Horizon BV711	BD Horizon BV786	
CD184 (CXCR4, Fusin)	12G5	Hu	+	+	+	-	+	-							563924														
	1D9	Hu	+	+	+	-	+	-																					
CD185 (CXCR5)	RF8B2	Hu	+	+	+	+	+	-																					
CD191 (CCR1)	53504	Hu	+				+																						
CD192 (CCR2)	48607	Hu	+	+			+	+																					
CD193 (CCR3)	5E8	Hu	+		+			+																					
CD194 (CCR4)	1G1	Hu	+				+		+																				
CD195 (CCR5)	2D7/CCR5	Hu	+	-		-	+	+	-	-	-																		
	3A9	Hu	+	-		-	+	+	-	-	-																		
CD196 (CCR6)	11A9	Hu [†]	+	+	+	-	-	-																					
CD197 (CCR7)	150503	Hu	+	+	+																								
	3D12	Hu	+	+	+																								
CD199	112509	Hu	+																										
CD200 (OX2)	MRC OX-104	Hu	-	+	+	-	-	-	-	-	+																		
CD201 (EPCR)	RCR-252	Hu																											
CD203c	NP4D6	Hu																											
CD205 (DEC-205)	MG38	Hu	+	+	+		+																						
	MMRI-7	Hu	+	+	+		+																						
CD206 (Macrophage mannose receptor)	19.2	Hu			+		+																						
CD207 (Langerin)	AB5_8.2G3.6	Hu			+																								

+ Positive[§] - Negative

[§]Positive refers to any expression of this specificity either in all cells, a subset, or upon activation. Expression may not be high enough to detect by flow cytometry. Empty cells represent lack of information confirming the expression of the marker within the cell type.

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Clone

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Surface Markers	Blue Laser (488 nm)									Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)						Biotin
	1			2	3	4			5	1	2	3	4	1		2		3		
	515 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	704 nm	719 nm	785 nm	785 nm	
Product Name	BD Horizon BB515	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	BD Horizon APC-R700	Alexa Fluor® 700	APC-Cy7	BD APC-H7	
CD184 (CXCR4, Fusin)				561733 555974		560937 555975			560669	561733 555974		560937 555975	560669	560936 555976						555973
				551510						551510										
CD185 (CXCR5)	564624		558112					562781												552118
CD191 (CCR1)															557914					
CD192 (CCR2)															561744 558406					
CD193 (CCR3)				561746 558165	562571			564189		561746 558165	562571				561745 558208					
CD194 (CCR4)				561110 551120				560726	561034 557864	561110 551120			561034 557864		557863					551266
CD195 (CCR5)		561747 555992		560935 555993	562456	561750 556889			561749 557752	560935 555993	562456	561750 556889	561749 557752	561748 556903				560913 557755		
	564512			560935 556042				560635		560932 556042				550856						
CD196 (CCR6)	564479			561019 559562	564816			561752 560467	560620	561019 559562	564816		560620	560619	561751 560466					559561
CD197 (CCR7)		561271		560765				561144		560765					560816		561143			
		561675 560548		561008 552176					560922 557648	561008 552176			560922 557648		560921 557734					552174
CD199			561608	561607						561607					557975					
CD200 (OX2)				561762 552475				562124	562125	561762 552475			562125	655406*		657868*				
CD201 (EPCR)			563623	557950						557950					563622					
CD203c				562972						562972					562973					
CD205 (DEC-205)				558069						558069										
															558156					
CD206 (Macrophage mannose receptor)		551135		555954	564063	551136				555954	564063	551136		561763 550889						
CD207 (Langerin)				564727						564727										

Bold catalog numbers denote that the product is a small size (25–30 tests or 25 µg).

* RUO (GMP) status reagents

† Denotes multiple reactivities. To view all reactivities, please find the technical data sheet online at bdbiosciences.com.

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BD Multicolor Antibody Reagents Catalog **Human** Antibody Reagents

Surface Markers			Emission Max										UV Laser (355 nm)					Violet Laser (405 nm)										
			T Cell	B Cell	Dendritic Cell	NK Cell	Macrophage/Monocyte	Granulocyte	Platelet	Erythrocyte	Endothelial Cell	Epithelial Cell	Stem Cell/Precursor	1	2	5	3	4	1	2	3	4	5	6				
Product Name	Clone	React	395 nm	496 nm	661 nm	737 nm	805 nm	421 nm	448 nm	500 nm	510 nm	602 nm	650 nm	711 nm	786 nm	BD Horizon BUV395	BD Horizon BUV496	BD Horizon BUV661	BD Horizon BUV737	BD Horizon BUV805	BD Horizon BV421	BD Horizon V450	BD Horizon V500	BD Horizon BV510	BD Horizon BV605	BD Horizon BV650	BD Horizon BV711	BD Horizon BV786
CD208 (DC-LAMP)	I10-1112	Hu			+																							
CD209 (DC-SIGN)	DCN46	Hu			+		+														564127	561275						
CD210 (IL-10 receptor)	3F9	Hu	+	+	-	-	+	-																				
CD210b (IL-10 receptor Bta)	90220	Hu	+	+	+	+	+																					
CD212 (IL-12 receptor β, subunit)	2.4E6	Hu	+	+	-	+	-	-																				
	2B6/12β2	Hu	+	+	-	+	-	-																				
CD218a	IL-18rα	Hu	+	+	+	+																						
CD220 (Insulin receptor)	3B6/IR	Hu	+	+	+	+	+	+																				
CD221 (IGF-I receptor α subunit)	1H7	Hu	+	+	+	+	+	+														562593						
CD226 (DNAM-1)	DX11	Hu	+	+		+	+	-	+	-																		
CD227 (MUC1)	HMPV	Hu	+	+	+		+																					
CD235a (Glycophorin A)	GA-R2 (HIR2)	Hu	-	-	-	-	-	-		+												563810						
CD238	BRIC 203	Hu																										
CD243 (P-glycoprotein)	15D3	Hu	-	-		-	-	-	-	-																		
	17F9	Hu	-	-		-	-	-	-	-																		
CD244 (2B4)	2-69	Hu	+	-	+	+	+	+																				
CD249	2D3/APA	Hu																										
CD252 (OX40 Ligand)	Ik-1	Hu		+	+																							
CD253 (TRAIL)	RIK-2	Hu	+	+			+																					
CD258	115520	Hu	+	+	+	-	+	+																				
CD261 (TRAIL-R1)	S35-934	Hu	+	+	-	+	+	+																				
CD267 (TACI)	1A1-K21-M22	Hu	+	+	-		+	-																				

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Surface Markers	Blue Laser (488 nm)									Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)						Biotin
	1			2	3	4			5	1	2	3	4	1		2		3		
	515 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	704 nm	719 nm	785 nm	785 nm	
Product Name	BD Horizon BB515	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	BD Horizon APC-R700	Alexa Fluor® 700	APC-Cy7	BD APC-H7	
CD208 (DC-LAMP)				558126						558126				558168						
CD209 (DC-SIGN)	564548	561764 551264		561765 551265				561766 558263		561765 551265				551545						
CD210 (IL-10 receptor)				556013						556013										
CD210b (IL-10 receptor Bta)															564372					
CD212 (IL-12 receptor β ₁ subunit)				556065						556065				558708						
				550723						550723										
CD218a				564675						564675										
CD220 (Insulin receptor)				559955						559955										
CD221 (IGF-I receptor α subunit)				560934 555999	562535					560934 555999	562535									
CD226 (DNAM-1)		559788		559789						559789										
CD227 (MUC1)	564640	559774																		
CD235a (Glycophorin A)		561017 559943		561051 555570 340947*		561776 559944			563666	561051 555570 340947*		561776 559944	563666	561775 551336						
CD238				563122						563122										
				340555*						340555*										
CD243 (P-glycoprotein)				557002	557003					557003										
CD244 (2B4)		550815		550816						550816										
CD249				564533						564533										
CD252 (OX40 Ligand)				558164						558164										
CD253 (TRAIL)				561784 550516						561784 550516				563642					550431	
CD258															564374					
CD261 (TRAIL-R1)				564180						564180										
CD267 (TACI)				558414						558414				562345						

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BD Multicolor Antibody Reagents Catalog **Human** Antibody Reagents

Surface Markers														UV Laser (355 nm)					Violet Laser (405 nm)										
														1	2	5	3	4	1		2		3	4	5	6			
			Emission Max			T Cell	B Cell	Dendritic Cell	NK Cell	Macrophage/Monocyte	Granulocyte	Platelet	Erythrocyte	Endothelial Cell	Epithelial Cell	Stem Cell/Precursor	BD Horizon BUV395	BD Horizon BUV496	BD Horizon BUV661	BD Horizon BUV737	BD Horizon BUV805	BD Horizon BV421	BD Horizon V450	BD Horizon V500	BD Horizon BV510	BD Horizon BV605	BD Horizon BV650	BD Horizon BV711	BD Horizon BV786
CD268 (BAFF receptor)	11C1	Hu	+	+	-	-	+	+											564819										
CD270 (HVEM)	94801	Hu	+	+	+	+	+	+																					
CD271 (NGF receptor)	C40-1457	Hu			+														562562	562123		563451							
CD272 (BTLA)	J168-540.90.22	Hu	+	+	+	-	+	-																					
CD273 (B7-DC, PD-L2)	MIH18	Hu	+		+		+												563842					563844	564258	563843			
CD274 (B7-H1, PD-L1)	MIH1	Hu	+	+	+	+	+	+											563738					563740			563739		
CD275 (B7-H2, ICOSL)	2D3/B7-H2	Hu	+	+	+	-	+	+											564276										
CD278 (ICOS)	DX29	Hu	+																562901						563832	563833			
CD279 (PD-1)	EH12.1	Hu	+	+																		563076	563245	564104	564017	563789			
	MIH4	Hu																	564323					564324					
CD282 (TLR2)	11G7	Hu					+	+																					
CD284 (TLR4)	TF901	Hu			+		+	+			+																	564402	
CD285 (TLR5)	624915	Hu			+		+					+																	
CD294 (CRTH2)	BM16	Hu	+						+										562992	561661									
CD295	52263	Hu	+	+	+	+	+	+	+	+	+	+	+																
CD300e (IREM-2)	UP-H2	Hu	+		+		+																						
CD305 (LAIR-1)	DX26	Hu	+	+	+	+	+	+																					
CD307c	H5	Hu	+	+	-	-	-	-																					
CD307e/c (FCRL5/3)	307307	Hu	+	+																									
CD309 (VEGFR-2/KDR)	89106	Hu									+		+																
CD312 (EMR2)	494025	Hu			+		+	+																					
CD314 (NKG2D)	1D11	Hu	+	+	-	+	+	+														563266		563408	563688				
CD319 (CRACC)	235614	Hu	+	+	+	+	+	-																					

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Clone

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Surface Markers	Blue Laser (488 nm)									Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)						Biotin
	1			2	3	4			5	1	2	3	4	1		2		3		
	515 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	704 nm	719 nm	785 nm	785 nm	
Product Name	BD Horizon BB515	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	BD Horizon APC-R700	Alexa Fluor® 700	APC-Cy7	BD APC-H7	
CD268 (BAFF receptor)		558081		558097						558097					564818 564817					
CD270 (HVEM)															564411					
CD271 (NGF receptor)	564580			560927 557196	563452			560834	562122	560927 557196	563452		562122		560877 560326				557195	
CD272 (BTLA)				558485						558485										
CD273 (B7-DC, PD-L2)				558066	564257			564256		558066				557926						
CD274 (B7-H1, PD-L1)	564554	558065		561787 557924	563742				558017	561787 557924	563742		558017	563741						
CD275 (B7-H2, ICOSL)				552502	564277					552502	564277				564278					
CD278 (ICOS)				557802				562833		557802					562834					
CD279 (PD-1)	564494			560795				561273	561272	560795			561272		560838					
		561035 557860		560908 557946						560908 557946				558694						
CD282 (TLR2)			558318												558319					
CD284 (TLR4)				564215						564215										
CD285 (TLR5)															564344					
CD294 (CRTH2)		561659		563665	563501			561660		563665	563501				561797 558042					
CD295															564376					
CD300e (IREM-2)														656158*						
CD305 (LAIR-1)				550811						550811										
CD307c															564768					
CD307e/c (FCRL5/3)															564343					
CD309 (VEGFR-2/KDR)				560872 560494						560872 560494					560871 560495					
CD312 (EMR2)															564342					
CD314 (NKG2D)	564566			561815 557940	562498			562364	562365	561815 557940	562498		562365	562064 558071						
CD319 (CRACC)															564338					

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BD Multicolor Antibody Reagents Catalog **Human** Antibody Reagents

Surface Markers			Emission Max											UV Laser (355 nm)					Violet Laser (405 nm)											
			T Cell	B Cell	Dendritic Cell	NK Cell	Macrophage/Monocyte	Granulocyte	Platelet	Erythrocyte	Endothelial Cell	Epithelial Cell	Stem Cell/Precursor	1	2	5	3	4	1	2	3	4	5	6						
Product Name	Clone	React	395 nm	496 nm	661 nm	737 nm	805 nm	421 nm	448 nm	500 nm	510 nm	602 nm	650 nm	711 nm	786 nm	BD Horizon BUV395	BD Horizon BUV496	BD Horizon BUV661	BD Horizon BUV737	BD Horizon BUV805	BD Horizon BV421	BD Horizon V450	BD Horizon V500	BD Horizon BV510	BD Horizon BV605	BD Horizon BV650	BD Horizon BV711	BD Horizon BV786		
CD321 (F11 receptor)	M.AB.F11	Hu	+	+	+	+	+																							
CD324 (E-cadherin)	67A4	Hu																												
CD325	8C11	Hu																												
CD326 (EpCAM)	EBA-1	Hu																			563180			563181	563182					
CD328 (Siglec-7)	F023-420	Hu	+	+	+	+	+																							
CD329 (Siglec-9)	E10-286	Hu	-	+	-	+	+																							
CD335 (NKp46)	9E2/NKp46	Hu				+															564065	562099		564064		563230	563043	563329		
CD336 (NKp44)	P44-8.1	Hu				+																								
CD337 (NKp30)	P30-15	Hu				+															563385				563384		563383			
CD338 (ABCG2)	5D3	Hu	-	+		-	+	-													562740									
CD340 (HER-2/neu)	Neu 24.7	Hu																												
CD344	CH3A4A7	Hu																												
CD354	193015	Hu	+	+	+	+	+	+																						
CD360 (IL-21 receptor)	17A12	Hu	+	+	+	+	+	+													563728									
A2B5	105/A2B5	Hu [†]																												
Alkaline Phosphatase	B4-78	Hu																												
Annexin V	-	-																			564871									
ASGPR1	8D7	Hu																												
B7-H4	MIH43	Hu	+	+	+	+	+														562786									
Blood Group A	NaM87-1F6	Hu																												
C3a Receptor	hC3aRZ8	Hu	+		+	+	+																							
β-Catenin	14	Hu [†]																												
CCR10	1B5	Hu	+	+																	564770									
Chondroitin Sulfate	9.2.27	Hu																												

+ Positive[§] - Negative

[§]Positive refers to any expression of this specificity either in all cells, a subset, or upon activation. Expression may not be high enough to detect by flow cytometry. Empty cells represent lack of information confirming the expression of the marker within the cell type.

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	1			2	3	4			5	1	2	3	4	1		2		3		
	515 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	704 nm	719 nm	785 nm	785 nm	
Product Name	BD Horizon BB515	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	BD Horizon APC-R700	Alexa Fluor® 700	APC-Cy7	BD APC-H7	
CD321 (F11 receptor)				552556						552556										
CD324 (E-cadherin)			563570	562870	563572			563573		562870	563572				563571					
CD325			562119	561554				563435		561554					563434					
CD326 (EpCAM)		347197*		347198*				347199*		347198*				347200*						
CD328 (Siglec-7)				558372						558372										
CD329 (Siglec-9)		550906		564251																
CD335 (NKp46)	564537 564536			557991					562101	557991			562101	558051						
CD336 (NKp44)				558563						558563					558564					
CD337 (NKp30)				558407						558407					558408					
CD338 (ABCG2)				561180				561460		561180				561451						
CD340 (HER-2/neu)		340553*		340552*						340552*				340554*						
CD344				563660						563660										
CD354															564472					
CD360 (IL-21 receptor)				560264	564122					560264				560331						
A2B5															563776					
Alkaline Phosphatase			561495	561433				561508		561433					561500					
Annexin V		560931 566420 556419		560930 556422 556421				561431		560930 556422 556421				561012 550475 550474					556418 556417	
ASGPR1				563655						563655										
B7-H4				562507	562785					562507	562785				562787					
Blood Group A		550807																		
C3a Receptor				561178						561178					561497					
β-Catenin			562505																	
CCR10				563656				564772		563656				564771						
Chondroitin Sulfate			562413	562415						562415					562414					

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BD Multicolor Antibody Reagents Catalog **Human** Antibody Reagents

Surface Markers			Emission Max											UV Laser (355 nm)					Violet Laser (405 nm)														
			T Cell	B Cell	Dendritic Cell	NK Cell	Macrophage/Monocyte	Granulocyte	Platelet	Erythrocyte	Endothelial Cell	Epithelial Cell	Stem Cell/Precursor	1	2	5	3	4	1	2	3	4	5	6									
Product Name	Clone	React	395 nm	496 nm	661 nm	737 nm	805 nm	421 nm	448 nm	500 nm	510 nm	602 nm	650 nm	711 nm	786 nm	BD Horizon BUV395	BD Horizon BUV496	BD Horizon BUV661	BD Horizon BUV737	BD Horizon BUV805	BD Horizon BV421	BD Horizon V450	BD Horizon V500	BD Horizon BV510	BD Horizon BV605	BD Horizon BV650	BD Horizon BV711	BD Horizon BV786					
CLEC6	9B9	Hu			+																												
CLEC7A (Dectin-1)	15E2	Hu	+	+	+	+	+																										
Clec9A	3A4	Hu			+																564266												
Clec12A	50C1	Hu		+	+		+																										
CLIP	CerCLIP	Hu		+	+		+																										
Cutaneous Lymphocyte Antigen (CLA)	HECA-452	Hu [†]	+	+		+	+	+													563961				563960								
Disialoganglioside GD2	14.G2A	Hu																			564224				564223		563440		563705				
Dta-Like Protein 1	MHD1-314	Hu																															
Dta-Like Protein 4	MHD4-46	Hu																															
EphB2	2H9	Hu	+	+	+	+	+	+																									
Fc μ Receptor	HM14-1	Hu	+	+		+																											
	HM7-10	Hu	+	+		+																											
FMC7	FMC7	Hu		+																													
fMLP receptor	5F1	Hu																															
GARP	7B11	Hu	+																														
Hematopoietic progenitor cell (HPC)	BB9	Hu																															
HLA-A,B,C	G46-2.6	Hu	+	+	+	+	+	+																									
	DX17	Hu	+	+	+	+	+	+																									
HLA-A2	BB7.2	Hu	+	+	+	+	+	+																									
HLA-DM	MaP.DM1	Hu			+		+																										
HLA-DQ	SK10	Hu	+	+	+		+																										
	TÜ169	Hu	+	+	+		+																										

Choose from our extensive portfolio of high-quality fluorescent-conjugated reagents to build your multicolor flow cytometry panels.



Surface Markers	Blue Laser (488 nm)									Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)						Biotin
	1			2	3	4			5	1	2	3	4	1		2		3		
	515 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	704 nm	719 nm	785 nm	785 nm	
Product Name	BD Horizon BB515	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	BD Horizon APC-R700	Alexa Fluor® 700	APC-Cy7	BD APC-H7	
CLEC6				564413						564413										
CLEC7A (Dectin-1)				564471						564471										
Clec9A				563488						563488					564267					
Clec12A		562569		562566						562566					562568					
CLIP		555981																		
Cutaneous Lymphocyte Antigen (CLA)		561987 555947		563962						563962					563533					559950
Disialoganglioside GD2		563439		562100				563438		562100					562096					
Dta-Like Protein 1				564414						564414										
Dta-Like Protein 4				564412						564412										
EphB2														564699						
Fc μ Receptor				563017						563017					563535					563018
				563019						563019										
FMC7		332786 ^c																		
fMLP receptor				556016						556016										
GARP				562150	562503					562150	562503				562341					
Hematopoietic progenitor cell (HPC)				557928						557928					557929					
HLA-A,B,C		560965 555552		560964 555553		560966 555554			561349	560964 555553		560966 555554	561349	562006 555555						
			560169	560168						560168										
HLA-A2	564577	561107 551285		558570				561350	561347	558570			561347	561341				561339		561342
HLA-DM				555983						555983										
HLA-DQ		347453*																		
		555563																		

Bold catalog numbers denote that the product is a small size (25–30 tests or 25 μ g).

* RUO (GMP) status reagents

† Denotes multiple reactivities. To view all reactivities, please find the technical data sheet online at bdbiosciences.com.

‡ Denotes that the product is a large size (250 or 500 tests)

^c CE-IVD: CE marked in compliance with European Directive 98/97/EC (Directive of the European Parliament and of the Council of 27 October 1998 on in vitro diagnostic medical devices).

BD Multicolor Antibody Reagents Catalog **Human** Antibody Reagents

Surface Markers			Emission Max											UV Laser (355 nm)					Violet Laser (405 nm)											
			T Cell	B Cell	Dendritic Cell	NK Cell	Macrophage/Monocyte	Granulocyte	Platelet	Erythrocyte	Endothelial Cell	Epithelial Cell	Stem Cell/Precursor	1	2	5	3	4	1	2	3	4	5	6						
Product Name	Clone	React	395 nm	496 nm	661 nm	737 nm	805 nm	421 nm	448 nm	500 nm	510 nm	602 nm	650 nm	711 nm	786 nm	BD Horizon BUV395	BD Horizon BUV496	BD Horizon BUV661	BD Horizon BUV737	BD Horizon BUV805	BD Horizon BV421	BD Horizon V450	BD Horizon V500	BD Horizon BV510	BD Horizon BV605	BD Horizon BV650	BD Horizon BV711	BD Horizon BV786		
HLA-DR	TU36	Hu [†]	+	+	+																									
	L243 (G46-6)	Hu	+	+	+			564040										565074 565073			562805 562804	655874 ^c 561359	561225 561224	563083	562844 562845	564231	563696	564041		
HLA-DR, DP, DQ	TÜ39	Hu	+	+	+																564244									
Ig, κ light chain	TB28-2	Hu		+																		658286*								
	G20-193	Hu		+																		562619	561327		563213	562851				
	Polyclonal	Hu		+																										
Ig, λ light chain	1-155-2	Hu		+																										
	JDC-12	Hu		+																		562893	561379		563537	563292				
	Polyclonal	Hu		+																										
IgD	IA6-2	Hu		+				563813														561309	561490	563034	563313					
IgG	G18-145	Hu		+				564229														562581	561299		563247	563246			564230	
IgM	G20-127	Hu		+				563903														562618	561286		563113	562977				
Integrin β ₇	FIB504	Hu	+		+	+																564283				564284	564285			
Invariant NK T	6B11	Hu	+																						563267			563268		
KIR-NKAT2	DX27	Hu	+			+																								
LAP	TW4-2F8	Hu	+																											
Leukotriene B4 Receptor (hBLTR-1)	203/14F11	Hu	+	+	+	+	+	+																						
Lgr5 (Central LRR)	4D11F8	Hu																												+
Lgr5 (N-terminal)	8F2	Hu																												+
Lineage Cocktail 1	-	Hu	+	+		+	+	+																						

+ Positive[§] – Negative

[§]Positive refers to any expression of this specificity either in all cells, a subset, or upon activation. Expression may not be high enough to detect by flow cytometry. Empty cells represent lack of information confirming the expression of the marker within the cell type.

Visit bdbiosciences.com/eu/colors for the most up-to-date product listings.

Clone

Highlighted clones denote that the clone is available for the Express Custom Conjugation Service.

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Surface Markers	Blue Laser (488 nm)									Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)						Biotin
	1			2	3	4			5	1	2	3	4	1		2		3		
	515 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	704 nm	719 nm	785 nm	785 nm	
Product Name	BD Horizon BB515	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	BD Horizon APC-R700	Alexa Fluor® 700	APC-Cy7	BD APC-H7	
HLA-DR		555560		555561		551375				555561		551375		559868						
	564516	560944 347400 ^c 555811		560943 347401 ^c 555812	562331 562304	562007 555813	347402 ^c	339216 ^c 560652	335830 ^c 560651	560943 347367* 555812	562331 562304	562007 555813	335795* 560651	560896 347403 ^c 559866			560743	335831 ^c	641411 ^c 561358	347361*
HLA-DR, DP, DQ		562008 555558													563591					
Ig, κ light chain		644059 ^c		347246 ^c						346601*				341108 ^c						
		560950 555791		562052 555792	562620			561330	561328	562052 555792	562620		561328	561323			561319		561325	555790
		562023 348063*																		
Ig, λ light chain		347247 ^c		642925 ^c						642919*									656648*	
		562053 555796		562054 555797						555797					563463					555794
		348073*																		
IgD		555778		562024 555779	562540			561315	561314	562024 555779	562540		561314	561303			561302		561305	555777
IgG	564581	560952 555786		560951 555787	562538	551497			561298	560951 555787	562538	551497	561298	562025 550931			561296		561297	555785
IgM		562029 555782		562030 555783	562539	562031 551079		561285		562030 555783	562539	562031 551079		561010 551062						555781
Integrin β ₇				555945		551059				555945		551059		551082						
Invariant NK T		558371		562051 552825						552825										
KIR-NKAT2		556070		556071						556071										
LAP				562260	562490			562544		562260	562490									
Leukotriene B4 Receptor (hBLTR-1)				552836						552836										552835
Lgr5 (Central LRR)															562912					562913
Lgr5 (N-terminal)					563470						563470				562903					562904
Lineage Cocktail 1		340546																		

Bold catalog numbers denote that the product is a small size (25–30 tests or 25 µg).

* RUO (GMP) status reagents

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BD Multicolor Antibody Reagents Catalog **Human** Antibody Reagents

Surface Markers			Emission Max											UV Laser (355 nm)					Violet Laser (405 nm)									
			T Cell	B Cell	Dendritic Cell	NK Cell	Macrophage/Monocyte	Granulocyte	Platelet	Erythrocyte	Endothelial Cell	Epithelial Cell	Stem Cell/Precursor	1	2	5	3	4	1	2	3	4	5	6				
Product Name	Clone	React	395 nm	496 nm	661 nm	737 nm	805 nm	421 nm	448 nm	500 nm	510 nm	602 nm	650 nm	711 nm	786 nm	BD Horizon BUV395	BD Horizon BUV496	BD Horizon BUV661	BD Horizon BUV737	BD Horizon BUV805	BD Horizon BV421	BD Horizon V450	BD Horizon V500	BD Horizon BV510	BD Horizon BV605	BD Horizon BV650	BD Horizon BV711	BD Horizon BV786
Lineage Cocktail 2	-	Hu	+	+	+	+	+																					
Lineage Cocktail 3	-	Hu	+	+		+	+																					
Lineage Cocktail 4	-	Hu	+	+	+	+	+		+																			
MIC A/B	6D4	Hu																										
β_2 -microglobulin	TÜ99	Hu	+	+	+	+	+				+	+	+															
NKB1 (KIR)	DX9	Hu	+			+																						
Notch1	MHN1-519	Hu	+	+	+	+	+														564783							
Notch2	MHN2-25	Hu	+	+																								
Notch3	MHN3-21	Hu	+				+				+																	
Notch4	MHN4-2	Hu					+				+										563905							
PAC-1	PAC-1	Hu										+																
PI-16	CRCBT-02-001	Hu																										
	WCHRI-1	Hu	+																									
Platelet GPVI	Hy-101	Hu																										
ROR1	4A5	Hu																										
SEMA4A	T9-10	Hu	+	+	+	+	+	+																				
Siglec-5/Siglec-14	194128	Hu	-	+	+	-	+	+																				
SSEA-1 (CD15)	MC480	Hu [†]																			562705	561561						
SSEA-3	MC631	Hu [†]																			562706							
SSEA-4	MC813-70	Hu																			563817		561156		563119			
SSEA-5	8e11/SSEA-5	Hu																										
Streptavidin	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	564176	564666	565081	564293	564923	563259	560797	561419	563261	563260	563855	563262	563858

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Surface Markers	Blue Laser (488 nm)									Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)						Biotin	
	1			2	3		4			5	1	2	3	4	1		2		3		
	515 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	704 nm	719 nm	785 nm	785 nm		
Product Name	BD Horizon BB515	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	BD Horizon APC-R700	Alexa Fluor® 700	APC-Cy7	BD APC-H7		
Lineage Cocktail 2		643397																			
Lineage Cocktail 3		643510																			
Lineage Cocktail 4		562722																			
MIC A/B				558352						558352											
β ₂ -microglobulin		551338		551337				656645*		551337											
NKB1 (KIR)		340483* 555966		340484* 555967						340484* 555967				564103							
Notch1				563421						563421					564782						
Notch2				563519						563519											
Notch3				563593						563593											
Notch4				563269						563269					563904						
PAC-1		340507*																			
PI-16															564969						
				563520						563520											
Platelet GPVI															564701						
ROR1				564474						564474											
SEMA4A				564812						564812											
Siglec-5/Siglec-14															564371						
SSEA-1 (CD15)		560127		560886 560142	562485			561560		560886 560142	562485				562277 560120						
SSEA-3		560881 560236		560879 560237	562486			561564		560879 560237	562486				561145						
SSEA-4		560126		560128	562487			561565		560128	562487				560796						
SSEA-5															563753						
Streptavidin	564453	554060		554061 349023*	562318 562284	554062	554064 340130*	551419	557598	554061 349023*	562318 562284	554062	557598	554067 349024*				554063			

Bold catalog numbers denote that the product is a small size (25–30 tests or 25 µg).

* RUO (GMP) status reagents

† Denotes multiple reactivities. To view all reactivities, please find the technical data sheet online at bdbiosciences.com.

‡ Denotes that the product is a large size (250 or 500 tests)

†† CE-IVD: CE marked in compliance with European Directive 98/97/EC (Directive of the European Parliament and of the Council of 27 October 1998 on in vitro diagnostic medical devices).

BD Multicolor Antibody Reagents Catalog **Human** Antibody Reagents

Surface Markers			Emission Max											UV Laser (355 nm)					Violet Laser (405 nm)						
			T Cell	B Cell	Dendritic Cell	NK Cell	Macrophage/Monocyte	Granulocyte	Platelet	Erythrocyte	Endothelial Cell	Epithelial Cell	Stem Cell/Precursor	1	2	5	3	4	1	2	3	4	5	6	
Product Name	Clone	React											BD Horizon BUV395	BD Horizon BUV496	BD Horizon BUV661	BD Horizon BUV737	BD Horizon BUV805	BD Horizon BV421	BD Horizon V450	BD Horizon V500	BD Horizon BV510	BD Horizon BV605	BD Horizon BV650	BD Horizon BV711	BD Horizon BV786
TCR αβ	IP26A	Hu	+	-	-	-	-	-	-	-	-	-													
	WT31	Hu	+																						
	T10B9.1A-31	Hu	+													564725					563625				563825
TCR γδ	11F2	Hu	+																						
	B1	Hu	+										564155					562560						564156	
TIM-1	1D12	Hu	+																						
TLT-2 (TREM2)	MIH61	Hu	+	+				+	+																
TNFR Related Protein (Lymphotoxin β receptor; LTβR)	hTNFR-RP-M12	Hu	+	+	+	+	+																		
TRA-1-60 Antigen	TRA-1-60	Hu																563878							
TRA-1-81 Antigen	TRA-1-81	Hu																							
TRA-1-85 Antigen	TRA-1-85	Hu																							
Trop-2	162-46	Hu																							
TSLP-R	1F11/TSLPR	Hu	+	+	+	+	+	+																	
TWEAK	CARL-1	Hu																							
	CARL-2	Hu																							
Vβ8 (BV8)	JR2	Hu	+																						
Vγ9 TCR	B3	Hu	+																						
Vδ2 TCR	B6	Hu	+																						

Choose from our extensive portfolio of high-quality fluorescent-conjugated reagents to build your multicolor flow cytometry panels.



Surface Markers	Blue Laser (488 nm)									Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)						Biotin
	1			2	3	4			5	1	2	3	4	1		2		3		
	515 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	704 nm	719 nm	785 nm	785 nm	
Product Name	BD Horizon BB515	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	BD Horizon APC-R700	Alexa Fluor® 700	APC-Cy7	BD APC-H7	
TCR αβ				564728						564728										
		333140 ^c																		
TCR γδ		561673 555547		561674 555548						561674 555548				563826						
		347903*		347907*					655410*	347907*										
TIM-1				564820						564820					563957					
TLT-2 (TREM2)				563661						563661										
TNFR Related Protein (Lymphotoxin β receptor; LTβR)				551503						551503										
TRA-1-60 Antigen		560876 560380		560884 560193				561573		560884 560193					560850					
TRA-1-81 Antigen		560883 560194		560885 560161				561575		560885 560161					560793					
TRA-1-85 Antigen				563021						563021										
Trop-2																				
TSLP-R				563149						563149				563153						
TWEAK				552831						552831										
				552890						552890										
Vβ8 (BV8)		555606		555607						555607										
Vγ9 TCR		555732		555733						555733										
Vδ2 TCR		562088 555738		555739						555739										

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* RUO (GMP) status reagents

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BD Multicolor Antibody Reagents Catalog **Human** Antibody Reagents

Intracellular Cytokines and Chemokines			Emission Max											UV Laser (355 nm)					Violet Laser (405 nm)							
			T Cell	B Cell	Dendritic Cell	NK Cell	Macrophage/Monocyte	Granulocyte	Platelet	Erythrocyte	Endothelial Cell	Epithelial Cell	Stem Cell/Precursor	1	2	5	3	4	1	2	3	4	5	6		
Product Name	Clone	React																								
CCL18/DC-CK1	AZN-CK18	Hu			+		+																			
Chromogranin A	S21-537	Hu	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GM-CSF	BVD2-21C11	Hu	+				+																			
IFN-α2b	7N4-1	Hu			+																					
IFN-γ	25723.11	Hu	+			+																				
	4S.B3	Hu ^t	+			+								564620										563416		563731
	B27	Hu	+			+							563563					562988	560372 560371	561980	563287	562974			564039	
IL-1α	364-3B3-14	Hu					+																			
	AS5	Hu					+																			
IL-1β	AS10	Hu		+	+		+																			
IL-1ra	AS17	Hu					+	+																		
IL-2	5344.111	Hu	+															562914	560867		563265	563947	563467	563946		
	MQ1-17H12	Hu ^t	+															564164			564167	564165	564166			
IL-3	BVD3-1F9	Hu	+			+																				
IL-4	3010.211	Hu	+																							
	MP4-25D2	Hu	+															564110							564112	564113
	8D4-8	Hu ^t	+															562986	561595							
IL-5	JES1-39D10	Hu	+																							
	TRFK5	Hu ^t	+																							

+ Positive^s – Negative

^sPositive refers to any expression of this specificity either in all cells, a subset, or upon activation. Expression may not be high enough to detect by flow cytometry. Empty cells represent lack of information confirming the expression of the marker within the cell type.

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Intracellular Cytokines and Chemokines	Blue Laser (488 nm)									Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)						Biotin
	1			2	3	4			5	1	2	3	4	1		2		3		
	515 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	704 nm	719 nm	785 nm	785 nm	
Product Name	BD Horizon BB515	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	BD Horizon APC-R700	Alexa Fluor® 700	APC-Cy7	BD APC-H7	
CCL18/DC-CK1				561179						561179										
Chromogranin A				564563						564563										
GM-CSF				554507	562857			562258		554507	562857				562257				554505	
IFN-α2b				560097						560097					560088					
IFN-γ		340449*		340452*						340452*				341117*						
		561057 554551		561056 554552 559326					561036 557844	561056 554552 559326			561036 557844		563495				554550	
		561065 554700	557718	562016 554701 559327	562392			560704	560924 557643	562016 554701 559327	562392		560924 557643	562017 554702	557729	564981	561024 557995			
IL-1α				554561						554561										
		340513*		340514*						340514*										
IL-1β		340515*		340516*						340516*										
IL-1ra				340525*						340525*										
IL-2		340448*		340450*	562384					340450*	562384			341116*						
		561055 554565		560902 554566 559334				560708	560707	560902 554566 559334			560707	561054 554567						
IL-3				554676						554676									554674	
IL-4				340451*						340451*										
		562047 554484		554485						554485				554486					554483	
			557990	562046 554516 559333				561234	560672	562046 554516 559333			560672	560671						
IL-5				554489 559332						554489 559332										
				562049 554395						562049 554395				562048 554396						

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BD Multicolor Antibody Reagents Catalog **Human** Antibody Reagents

Intracellular Cytokines and Chemokines			Emission Max											UV Laser (355 nm)					Violet Laser (405 nm)									
			T Cell	B Cell	Dendritic Cell	NK Cell	Macrophage/Monocyte	Granulocyte	Platelet	Erythrocyte	Endothelial Cell	Epithelial Cell	Stem Cell/Precursor	1	2	5	3	4	1	2	3	4	5	6				
Product Name	Clone	React	395 nm	496 nm	661 nm	737 nm	805 nm	421 nm	448 nm	500 nm	510 nm	602 nm	650 nm	711 nm	786 nm	BD Horizon BUV395	BD Horizon BUV496	BD Horizon BUV661	BD Horizon BUV737	BD Horizon BUV805	BD Horizon BV421	BD Horizon V450	BD Horizon V500	BD Horizon BV510	BD Horizon BV605	BD Horizon BV650	BD Horizon BV711	BD Horizon BV786
IL-6	AS12	Hu	+	+	+																							
	MQ2-13A5	Hu	+	+	+																563279	561446						
	MQ2-6A3	Hu	+	+	+																							
IL-8	AS14	Hu		+	+	+																						
	G265-8	Hu		+	+	+															563310		563311					
IL-9	MH9A3	Hu	+																		564254							
IL-10	JES3-19F1	Hu [†]	+	+		+																						
	JES3-9D7	Hu [†]	+	+		+															564053				564052	564051	564050	564049
IL-12 (p40/p70)	C11.5	Hu			+	+																561380						
IL-12 (p70)	20C2	Hu			+	+																						
IL-13	JES10-5A2	Hu	+																		563580	561158					564288	
IL-17A	N49-653	Hu	+																		562933	560610		563295		563746		563745
	SCPL1362	Hu	+																									
IL-17F	O33-782	Hu	+																			561338 561337				564264		564265
IL-21	3A3-N2.1	Hu	+																		564755							
IP-10	6D4/D6/G2	Hu	+				+																					

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Intracellular Cytokines and Chemokines	Blue Laser (488 nm)									Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)						Biotin
	1			2	3	4			5	1	2	3	4	1		2		3		
	515 nm	519 nm	Alexa Fluor® 488	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	704 nm	719 nm	785 nm	785 nm	
Product Name	BD Horizon BB515	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	BD Horizon APC-R700	Alexa Fluor® 700	APC-Cy7	BD APC-H7	
IL-6		340526*		340527*						340527*										
		554544		554545	563543					554545	563543			561441						
		554696		554697 559331						554697 559331										
IL-8		340509*		340510*						340510*										
				554720	563531					554720	563531								554718	
IL-9				560814 560807	564255			561461		560814 560807	564255				560815 560813					
IL-10				562035 554706 559330	562400					562035 554706 559330	562400			562036 554707						
				554498 559337						554498 559337										
IL-12 (p40/p70)		554574		554575 559329						554575 559329				554576						
IL-12 (p70)				557020 559325						557020 559325										
IL-13				562039 340508* 554571 559328						562039 340508* 554571 559328				561162						
IL-17A			560489 560488	560487 560486				560799		560487 560486					560491 560490		560613			
				560438 560436						560438 560436					560439 560437					
IL-17F			561332 561331	561198 561197	564263			561336 561335		561198 561197	564263				561334 561333					
IL-21				562042 560463						562042 560463					562043 560493					
IP-10				555049						555049									555048	

Bold catalog numbers denote that the product is a small size (25–30 tests or 25 µg).

* RUO (GMP) status reagents

† Denotes multiple reactivities. To view all reactivities, please find the technical data sheet online at bdbiosciences.com.

‡ Denotes that the product is a large size (250 or 500 tests)

BD Multicolor Antibody Reagents Catalog **Human** Antibody Reagents

Intracellular Cytokines and Chemokines			Emission Max											UV Laser (355 nm)					Violet Laser (405 nm)							
			T Cell	B Cell	Dendritic Cell	NK Cell	Macrophage/Monocyte	Granulocyte	Platelet	Erythrocyte	Endothelial Cell	Epithelial Cell	Stem Cell/Precursor	BD Horizon BUV395	BD Horizon BUV496	BD Horizon BUV661	BD Horizon BUV737	BD Horizon BUV805	BD Horizon BV421	BD Horizon V450	BD Horizon V500	BD Horizon BV510	BD Horizon BV605	BD Horizon BV650	BD Horizon BV711	BD Horizon BV786
Product Name	Clone	React	395 nm	496 nm	661 nm	737 nm	805 nm	421 nm	448 nm	500 nm	510 nm	602 nm	650 nm	711 nm	786 nm											
IRAK4	L29-525	Hu	+	+	+	+	+																			
Leukemia Inhibitory Factor (LIF, HILDA)	1F10	Hu	+				+	+																		
LT- α	359-81-11	Hu	+	+																						
MCP-1 (monocyte chemoattractant protein 1)	5D3-F7	Hu	+				+																			
MIP-1 α (macrophage inflammatory protein-1 α)	11A3	Hu	+	+			+	+																		
MIP-1 β	D21-1351	Hu	+	+			+	+									562900	561282								
Osteocalcin	R14-707	Hu																								
RANTES	2D5	Hu	+				+			+							564754									
STING	T3-680	Hu	+	+	+	+	+																			
TGF β 1	TW4-9E7	Hu	+				+			+							562962									
TNF	MAB11	Hu [†]	+	+	+	+	+	+									563996					562783	561311		563915	563418
TNF- α	6401.111	Hu	+	+	+	+	+	+																		
VHL	S2-647	Hu	+		+	+		+																		

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Intracellular Cytokines and Chemokines	Blue Laser (488 nm)									Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)						Biotin
	1			2	3	4			5	1	2	3	4	1		2		3		
	515 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	704 nm	719 nm	785 nm	785 nm	
Product Name	BD Horizon BB515	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	BD Horizon APC-R700	Alexa Fluor® 700	APC-Cy7	BD APC-H7	
IRAK4				560303						560303					560315					
Leukemia Inhibitory Factor (LIF, HILDA)				558571						558571										
LT- α				554556						554556									554555	
MCP-1 (monocyte chemoattractant protein 1)				554666 559324						554666 559324					563496					
MIP-1 α (macrophage inflammatory protein-1 α)				554730						554730										
MIP-1 β		560565		561120 550078				560688	560687	561120 550078			560687	560686			561278		561280	
Osteocalcin				564146						564146										
RANTES				554732 559322						554732 559322					564753					
STING														564836						
TGF β 1			562545	562339	562422			562423		562339	562422									
TNF		562082 554512	557722	562083 554513 559321	562784			560679	560923 557647	562083 554513 559321	562784		560923 557647	562084 554514 551384			561023 557996		554511	
TNF- α		340511*		340512*						340512*				340534*						
VHL															564184					

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* RUO (GMP) status reagents

† Denotes multiple reactivities. To view all reactivities, please find the technical data sheet online at bdbiosciences.com.

‡ Denotes that the product is a large size (250 or 500 tests)

BD Multicolor Antibody Reagents Catalog **Human** Antibody Reagents

Intracellular Cell-Signaling and Transcription Factors			Emission Max											UV Laser (355 nm)					Violet Laser (405 nm)									
			T Cell	B Cell	Dendritic Cell	NK Cell	Macrophage/Monocyte	Granulocyte	Platelet	Erythrocyte	Endothelial Cell	Epithelial Cell	Stem Cell/Precursor	1	2	5	3	4	1	2	3	4	5	6				
Product Name	Clone	React	395 nm	496 nm	661 nm	737 nm	805 nm	421 nm	448 nm	500 nm	510 nm	602 nm	650 nm	711 nm	786 nm	BD Horizon BUV395	BD Horizon BUV496	BD Horizon BUV661	BD Horizon BUV737	BD Horizon BUV805	BD Horizon BV421	BD Horizon V450	BD Horizon V500	BD Horizon BV510	BD Horizon BV605	BD Horizon BV650	BD Horizon BV711	BD Horizon BV786
CD3ε	APA1/1	Hu	+																									
CD20 (cytoplasmic)	H1	Hu	+	+	-	-	-	-	-	-	-	-	-	-	-									563347				
CD79a	HM57	Hu		+																								
CD140b (pY857) (PDGFRβ)	J24-618	Hu ^t	-	-	-	-	-	-	-	-	-	-	-	-	-													
CD140b (pY1009) (PDGFRβ)	J25-650	Hu ^t	-	-	-	-	-	-	-	-	-	-	-	-	-													
CD140b (pY1021) (PDGFRβ)	J105-412	Hu ^t	-	-	-	-	-	-	-	-	-	-	-	-	-													
CD221 (pY1131) (IGF-1 receptor)	K74-218	Hu	+	+	+	+	+	+																				
CD247 (pY142) (CD3ζ)	K25-407.69	Hu	+			+																						
4EBP1 (pT36/pT45)	M31-16	Hu	+	+			+																					
4EBP1 (pT69)	M34-273	Hu	+	+			+																					
α-fetoprotein (AFP)	C3/AFP	Hu																										+
Aiolos	S50-895	Hu	+	+		+																						+
Akt (pS473)	M89-61	Hu ^t	+	+		+	+	+													562599	560858						
AKT (pT308)	J1-223.371	Hu ^t	+	+		+	+	+																				
Akt1 (PKBα, RAC-PK)	55	Hu	+	+		+	+	+																				
BATF	S39-1060	Hu ^t	+	+																								
Bcl-2	6C8	Hu	+																									+
	Bcl-2/100	Hu	+																			560637						+
Bcl-2 (pS70)	N46-467	Hu	+																									
Bcl-6	K112-91	Hu ^t	+	+																	563363	562204						
Bcl-10	151	Hu	+	+																								
Blimp-1	6D3	Hu ^t	+	+	+	+	+																					+
BLNK (pY84)	J117-1278	Hu ^t		+																								

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Intracellular Cell-Signaling and Transcription Factors	Blue Laser (488 nm)									Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)						Biotin
	1			2	3	4			5	1	2	3	4	1		2		3		
	515 nm	519 nm	Alexa Fluor® 488	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	704 nm	719 nm	785 nm	785 nm	
Product Name	BD Horizon BB515	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	BD Horizon APC-R700	Alexa Fluor® 700	APC-Cy7	BD APC-H7	
CD3ϵ		558261		558260						558260				558257						
CD20 (cytoplasmic)			558056	561174	563430			560907 558021	561175	561174	563430		561175		558054		561171		561172	
CD79a				563777						563777										
CD140b (pY857) (PDGFR β)			558427	558429						558429					558428					
CD140b (pY1009) (PDGFR β)				558322						558322					558323					
CD140b (pY1021) (PDGFR β)			558419	558417						558417					558418					
CD221 (pY1131) (IGF-1 receptor)															558588					
CD247 (pY142) (CD3 ζ)			558486	558448						558448					558489					
4EBP1 (pT36/pT45)			560287	560285						560285					560286					
4EBP1 (pT69)			560290	560288						560288					560289					
α-fetoprotein (AFP)			563016	563002						563002										
Aiolos				564811						564811										
Akt (pS473)			560404	560378 561671 [†]	562465					560378 561671 [†]	562465				560343 561670 [†]					
AKT (pT308)				558275						558275										
Akt1 (PKB α , RAC-PK)			560048	560049						560049					560050					
BATF				564503						564503										
Bcl-2		554234		556536						556536										
		340575* 556357		340576* 556535	563601					340576* 556535	563601				563600					
Bcl-2 (pS70)			562678	562532	562679					562532	562679				562531					
Bcl-6			561524	561522	562401			562198	563582	561522	562401		563582		561525			563581		
Bcl-10		552881		552881																
Blimp-1				564702						564702										
BLNK (pY84)			558444	558442						558442					558443					

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* RUO (GMP) status reagents

[†] Denotes multiple reactivities. To view all reactivities, please find the technical data sheet online at bdbiosciences.com.

[‡] Denotes that the product is a large size (250 or 500 tests)

BD Multicolor Antibody Reagents Catalog **Human** Antibody Reagents

Intracellular Cell-Signaling and Transcription Factors			Emission Max											UV Laser (355 nm)					Violet Laser (405 nm)							
			T Cell	B Cell	Dendritic Cell	NK Cell	Macrophage/Monocyte	Granulocyte	Platelet	Erythrocyte	Endothelial Cell	Epithelial Cell	Stem Cell/Precursor	1	2	5	3	4	1	2	3	4	5	6		
Product Name	Clone	React											395 nm	496 nm	661 nm	737 nm	805 nm	421 nm	448 nm	500 nm	510 nm	602 nm	650 nm	711 nm	786 nm	
													BD Horizon BUV395	BD Horizon BUV496	BD Horizon BUV661	BD Horizon BUV737	BD Horizon BUV805	BD Horizon BV421	BD Horizon V450	BD Horizon V500	BD Horizon BV510	BD Horizon BV605	BD Horizon BV650	BD Horizon BV711	BD Horizon BV786	
BLNK (SLP-65, BASH, BCA)	2B11	Hu ^t	+																							
BMI-1	P51-311	Hu																								
BrdU	3D4	Hu																	560810		563445					
	B44	Hu																								
BrdU with DNase	B44	Hu																								
Btk	53/Btk	Hu		+																						
Btk (pY223) & Itk (pY180)	N35-86	Hu ^t	+	+														564848								
Btk (pY551) & Itk (pY511)	24a/BTK (Y551)	Hu	+	+																						
E-Cadherin	36/E-Cadherin	Hu ^t																564186								
Cardiac Troponin I	C5/TROPO	Hu																								
Cardiac Troponin T	13-11	Hu ^t																								
Caspase-3, Active Form (CPP32)	C92-605	Hu ^t											564095						560627			564094	564096			
β-Catenin (pS45)	K63-363	Hu																								
c-Cbl (pY700)	47/c-Cbl	Hu ^t	+																							
c-Cbl (pY774)	29/c-Cbl	Hu	+																							
CDX-2	M39-711	Hu																								
CREB (pS133) / ATF-1 (pS63)	J151-21	Hu	+	+																						
CrkL (pY207)	K30-391.50.80	Hu																								
Cyclin A	BF683	Hu	+	+	+	+	+	+	+	+	+															
Cyclin B1 (a.a 1-21)	GNS-1	Hu ^t																								
Cyclin D1	G124-326	Hu																								
Cyclin D3	G107-565	Hu																								
Cytokeratin	CAM 5.2	Hu																564709			563613					
	KA4	Hu																								

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Intracellular Cell-Signaling and Transcription Factors	Blue Laser (488 nm)									Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)						Biotin
	1			2	3	4			5	1	2	3	4	1		2		3		
	515 nm	519 nm	Alexa Fluor® 488	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	704 nm	719 nm	785 nm	
Product Name	BD Horizon BB515	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	BD Horizon APC-R700	Alexa Fluor® 700	APC-Cy7	BD APC-H7	
BLNK (SLP-65, BASH, BCA)			558693	558688						558688					558692					
BMI-1			562636	562528				562650		562528					562637					
BrdU		556028		556029			560808	560809		556029										
BrdU with DNase		347583*																		
BrdU with DNase		340649*																		
Btk				558527						558527					558528					
Btk (pY223) & Itk (pY180)			564847	562753																
Btk (pY551) & Itk (pY511)			558130	558129						558129					558134					
E-Cadherin				562526						562526										
Cardiac Troponin I															564409					
Cardiac Troponin T				564767						564767										
Caspase-3, Active Form (CPP32)		560901 559341		561011 550821						561011 550821					560626				550557	
β-Catenin (pS45)				558638						558638					558666					
c-Cbl (pY700)			558101	558087						558087					558100					
c-Cbl (pY774)				558102						558102					558103					
CDX-2				563428						563428					560395 560258					
CREB (pS133) / ATF-1 (pS63)			558435	558436						558436					558434					
CrkL (pY207)			560789	560788						560788					560790					
Cyclin A		554107		550913						550913										
Cyclin B1 (a.a 1-21)		554108		550783						550783										
Cyclin D1		554109																		
Cyclin D3		554111																		
Cytokeratin		347653*		347204*	563615					347204*	563615				563614					
															563648					

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† Denotes multiple reactivities. To view all reactivities, please find the technical data sheet online at bdbiosciences.com.

‡ Denotes that the product is a large size (250 or 500 tests)

BD Multicolor Antibody Reagents Catalog **Human** Antibody Reagents

Intracellular Cell-Signaling and Transcription Factors			Emission Max											UV Laser (355 nm)					Violet Laser (405 nm)					
			T Cell	B Cell	Dendritic Cell	NK Cell	Macrophage/Monocyte	Granulocyte	Platelet	Erythrocyte	Endothelial Cell	Epithelial Cell	Stem Cell/Precursor	BD Horizon BUV395	BD Horizon BUV496	BD Horizon BUV661	BD Horizon BUV737	BD Horizon BUV805	1	2	3	4	5	6
Product Name	Clone	React	395 nm	496 nm	661 nm	737 nm	805 nm	421 nm	448 nm	500 nm	510 nm	602 nm	650 nm	711 nm	786 nm	BD Horizon BV421	BD Horizon V450	BD Horizon V500	BD Horizon BV510	BD Horizon BV605	BD Horizon BV650	BD Horizon BV711	BD Horizon BV786	
Cytokeratin 14, 15, 16, and 19	KA4	Hu																						
DCIR (dendritic cell immunoreceptor)	I3-612	Hu		+	+		+																	
Doublecortin	30	Hu																						
E2A (E47)	G127-32	Hu		+																				
EGF Receptor	EGFR1	Hu																						
EGF Receptor (pY845)	12A3	Hu																						
EGF Receptor (pY1173)	9H2	Hu																						
eIF4E (pS209)	J77-925	Hu	+																					
ELK-1 (pS383)	M21-1721	Hu	+																					
eNOS	33/eNOS	Hu [†]																						
ERK1/2 (pT202/pY204)	20A	Hu [†]	+	+		+	+	+																
ERK2	G263-7	Hu [†]	+	+		+	+	+																
EZH2	11	Hu	+	+																				
Ezrin (pY353)	I66-386	Hu	+	+																				
FAK (pS910)	K73-480	Hu																						
Fetal Hemoglobin	2D12	Hu																						
Fibronectin	10/Fibronectin	Hu [†]																						
FoxA2	N17-280	Hu																						
FoxP1	JC12	Hu [†]	+			+	+	+																
FoxP2	FOXP2-73A/8	Hu [†]																						
FoxP3 (Scurfin, IPEX, JM2)	236A/E7	Hu	+																					
	259D/C7	Hu [†]	+																					
Galectin-3	B2C10	Hu																						

Choose from our extensive portfolio of high-quality fluorescent-conjugated reagents to build your multicolor flow cytometry panels.



Intracellular Cell-Signaling and Transcription Factors	Blue Laser (488 nm)									Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)						Biotin
	1			2	3	4			5	1	2	3	4	1		2		3		
	515 nm	519 nm	Alexa Fluor® 488	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	704 nm	719 nm	785 nm	785 nm	
Product Name	BD Horizon BB515	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	BD Horizon APC-R700	Alexa Fluor® 700	APC-Cy7	BD APC-H7	
Cytokeratin 14, 15, 16, and 19				550953						550953										
DCIR (dendritic cell immunoreceptor)															558220					
Doublecortin				561505						561505										
E2A (E47)		552510																		
EGF Receptor				555997	563431					555997	563431				563577					
EGF Receptor (pY845)															558523					
EGF Receptor (pY1173)															558524					
eIF4E (pS209)				560229						560229					560240					
ELK-1 (pS383)			560417	560412						560412					560413					
eNOS				560103						560103					560102					
ERK1/2 (pT202/pY204)			612592	612566 561991†	562644			560115	560116	612566 561991†	562644		560116		612593 561992†					
ERK2			558525	558530						558530					558526					
EZH2				562478						562478					563491					
Ezrin (pY353)			558627	558601						558601					558628					
FAK (pS910)			558544	558540						558540					558545					
Fetal Hemoglobin		552829		560041						560041										
Fibronectin			563100												563098					
FoxA2				561589						561589										
FoxP1				564216						564216										
FoxP2															564463					
FoxP3 (Scurfin, IPEX, JM2)			561181	560852	563955			561493		560852					561184					
			560887 560047	560082 560046	562421					560082 560046	562421				560889 560045					
Galectin-3		556908		556909						556909										

Bold catalog numbers denote that the product is a small size (25–30 tests or 25 µg).

* RUO (GMP) status reagents

† Denotes multiple reactivities. To view all reactivities, please find the technical data sheet online at bdbiosciences.com.

‡ Denotes that the product is a large size (250 or 500 tests)

BD Multicolor Antibody Reagents Catalog **Human** Antibody Reagents

Intracellular Cell-Signaling and Transcription Factors			Emission Max											UV Laser (355 nm)					Violet Laser (405 nm)													
			T Cell	B Cell	Dendritic Cell	NK Cell	Macrophage/Monocyte	Granulocyte	Platelet	Erythrocyte	Endothelial Cell	Epithelial Cell	Stem Cell/Precursor	BD Horizon BUV395	BD Horizon BUV496	BD Horizon BUV661	BD Horizon BUV737	BD Horizon BUV805	1	2	3	4	5	6								
Product Name	Clone	React	395 nm	496 nm	661 nm	737 nm	805 nm	421 nm	448 nm	500 nm	510 nm	602 nm	650 nm	711 nm	786 nm	BD Horizon BV421	BD Horizon V450	BD Horizon V500	BD Horizon BV510	BD Horizon BV605	BD Horizon BV650	BD Horizon BV711	BD Horizon BV786									
GATA3	L50-823	Hu	+		+											563349																
GATA4	L97-56	Hu ^t																														
GFAP	1B4	Hu																														
Granulysin	RB1	Hu	+		+																											
Granzyme A	CB9	Hu																														
Granzyme B	GB11	Hu	+		+											563389	561151		563388													
H2AX (pS140)	N1-431	Hu	+	+												564720																
Helios	22F6	Hu ^t	+																													
Histone H3 (pS28)	HTA28	Hu ^t	+	+													560606															
IκBα	25/IκBa/MAD-3	Hu	+	+	+		+																									
ID3	S30-7778	Hu ^t	+	+	+		+																									
Ikaros	R32-1149	Hu	+	+		+		+																								
Ikkγ (pS376)	N19-39	Hu	+																													
IRF-7	K40-321	Hu																														
IRF-7 (pS477/pS479)	K47-671	Hu																														
IRS-1 (pY896)	K9-211	Hu																														
Isllet-1 (ISL-1)	Q11-465	Hu																														
JNK (pT183/pY185)	N9-66	Hu ^t	+	+		+	+																									
Ki-67	B56	Hu ^t	+	+	+	+	+	+		+	+	+				564071								562899	561281		563462					563756
LAT (pY171)	I58-1169	Hu	+																													
LAT (pY226)	J96-1238.58.93	Hu	+																													
Lck	MOL 171	Hu ^t	+	+		+																										
Lck (pY505)	4/Lck-Y505	Hu	+																													
Lin-28	6D1F9	Hu																														
MAP2B	18/MAP2B	Hu																														

Choose from our extensive portfolio of high-quality fluorescent-conjugated reagents to build your multicolor flow cytometry panels.



Intracellular Cell-Signaling and Transcription Factors	Blue Laser (488 nm)									Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)						Biotin
	1			2	3	4			5	1	2	3	4	1		2		3		
	515 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	704 nm	719 nm	785 nm	785 nm	
Product Name	BD Horizon BB515	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	BD Horizon APC-R700	Alexa Fluor® 700	APC-Cy7	BD APC-H7	
GATA3			560163	560074	563510				560405	560074	563510		560405		560068					
GATA4			560330	560328						560328					560400					
GFAP			561449	561483						561483					561470					
Granulysin			558254																	
Granzyme A		558905		558904						558904										
Granzyme B		561998 560211		561142	562462					561142	562462			561999 560212		561016 560213				
H2AX (pS140)			560445	562377	564719			564718		562377	564719				560447					
Helios			563950	563801						563801					563951					
Histone H3 (pS28)															558217					
IκBα				560818						560818					560817					
ID3				564564						564564										
Ikaros				564476						564476										
Ikkγ (pS376)				562590						562590										
IRF-7			558707	558706						558706										
IRF-7 (pS477/pS479)			558629	558621						558621					558630					
IRS-1 (pY896)				558440						558440					558441					
Islet-1 (ISL-1)				562547						562547										
JNK (pT183/pY185)				562480						562480					562481					
Ki-67		556026	561165	556027				561284	561283	556027			561283		561126		561277			
LAT (pY171)			558519	558487						558487					558518					
LAT (pY226)			558430	558433						558433					558432					
Lck			558504	558496						558496					558505					
Lck (pY505)			557879	558552						558552					558577					
Lin-28			563597	563398						563398					564280					
MAP2B			560399												560382					

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* RUO (GMP) status reagents

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‡ Denotes that the product is a large size (250 or 500 tests)

BD Multicolor Antibody Reagents Catalog **Human** Antibody Reagents

Intracellular Cell-Signaling and Transcription Factors			Emission Max											UV Laser (355 nm)					Violet Laser (405 nm)									
			T Cell	B Cell	Dendritic Cell	NK Cell	Macrophage/Monocyte	Granulocyte	Platelet	Erythrocyte	Endothelial Cell	Epithelial Cell	Stem Cell/Precursor	1	2	5	3	4	1	2	3	4	5	6				
Product Name	Clone	React	395 nm	496 nm	661 nm	737 nm	805 nm	421 nm	448 nm	500 nm	510 nm	602 nm	650 nm	711 nm	786 nm	BD Horizon BUV395	BD Horizon BUV496	BD Horizon BUV661	BD Horizon BUV737	BD Horizon BUV805	BD Horizon BV421	BD Horizon V450	BD Horizon V500	BD Horizon BV510	BD Horizon BV605	BD Horizon BV650	BD Horizon BV711	BD Horizon BV786
MAPKAPK-2 (pT334)	P24-694	Hu ^t	+																									
Mcm6	Ki-Mcm6	Hu	+	+																								
MEK1	25/MEK1	Hu ^t	+	+	+	+	+																					
MEK1 (pS298)	J114-64	Hu	+																									
MEK2	96/MEK2	Hu	+	+	+	+	+																					
MRP-1	QCRL-3	Hu	+	+																								
MSI1	N14-47	Hu																										
mTor (pS2448)	O21-404	Hu	+	+	+	+	+																					
Myeloperoxidase (MPO)	5B8	Hu																										
Myogenin	F5D	Hu ^t																										
Myosin Heavy Chain	MF20	Hu ^t																										
Nanog	N31-355	Hu																										
Nestin	25/NESTIN	Hu ^t																										
NeuroD1	R8-294	Hu ^t																										
NF-κB p65 (pS529)	K10-895.12.50	Hu	+	+		+	+																					
Nkx-2.2	74.5A5	Hu ^t																										
Nkx-6.1	R11-560	Hu ^t																										
NPM-ALK	ALK1	Hu																										
Nucleostemin	P22-1125	Hu ^t																										
Oct-2	9A2	Hu ^t	+	+	+		+														563196							
Oct3/4	40/Oct-3	Hu ^t																						563524				
Oct3/4A	O50-808	Hu																										
p16 ^{INK4} mAb / Isotype Reagent Set	G175-1239	Hu																										
p38 MAPK (pT180/pY182)	36/p38 (pT180/pY182)	Hu ^t	+	+		+	+	+																				

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Intracellular Cell-Signaling and Transcription Factors	Blue Laser (488 nm)									Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)						Biotin
	1			2	3	4			5	1	2	3	4	1		2		3		
	515 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	704 nm	719 nm	785 nm	785 nm	
Product Name	BD Horizon BB515	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	BD Horizon APC-R700	Alexa Fluor® 700	APC-Cy7	BD APC-H7	
MAPKAPK-2 (pT334)			562471	562470						562470					562472					
Mcm6		557951																		
MEK1				560099						560099					560101					
MEK1 (pS298)			560192	560042						560042					560043					
MEK2				560388						560388					560387					
MRP-1		557593																		
MSI1				561468						561468										
mTor (pS2448)				563489						563489					564242					
Myeloperoxidase (MPO)		333138 ^c		333139 ^c						341642 [*]										
Myogenin				563120						563120										
Myosin Heavy Chain				564408						564408										
Nanog			560791	560873 560483				562259		560873 560483					561300					
Nestin				561230				561231		561230					560393					
NeuroD1				563001						563001					563566					
NF-κB p65 (pS529)			558421	558423					560335	558423			560335		558422					
Nkx-2.2				564730						564730					564729					
Nkx-6.1				563023						563023					563338					
NPM-ALK		559818		559257						559257										
Nucleostemin				562750																
Oct-2				562838	563471					562838	563471				563472					
Oct3/4			560253	560186				560794		560186					560329					
Oct3/4A			561628	561556				562251		561556					562252					
p16 ^{INK4} mAb / Isotype Reagent Set		556560		556561						556561										
p38 MAPK (pT180/pY182)			612594	612565 562065 [†]	563569			560406	560241	612565 562065 [†]	563569		560241		612595 562066 [‡]					

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* RUO (GMP) status reagents

[†] Denotes multiple reactivities. To view all reactivities, please find the technical data sheet online at bdbiosciences.com.

[‡] Denotes that the product is a large size (250 or 500 tests)

BD Multicolor Antibody Reagents Catalog **Human** Antibody Reagents

Intracellular Cell-Signaling and Transcription Factors			Emission Max											UV Laser (355 nm)					Violet Laser (405 nm)						
			T Cell	B Cell	Dendritic Cell	NK Cell	Macrophage/Monocyte	Granulocyte	Platelet	Erythrocyte	Endothelial Cell	Epithelial Cell	Stem Cell/Precursor	BD Horizon BUV395	BD Horizon BUV496	BD Horizon BUV661	BD Horizon BUV737	BD Horizon BUV805	BD Horizon BV421	BD Horizon V450	BD Horizon V500	BD Horizon BV510	BD Horizon BV605	BD Horizon BV650	BD Horizon BV711
Product Name	Clone	React	395 nm	496 nm	661 nm	737 nm	805 nm	421 nm	448 nm	500 nm	510 nm	602 nm	650 nm	711 nm	786 nm										
p53	DO-7	Hu ^t																							
	G59-12	Hu ^t	+	+																					
p53 (acK382)	L82-51	Hu	+	+																					
p53 (pS37)	J159-641.79	Hu	+	+																					
p120 Catenin (pS268)	9a.390	Hu																							
p120 Catenin (pS288)	17/Catenin (cl.17)	Hu																							
p120 Catenin (pS879)	K114-1011	Hu																							
p120 Catenin (pT310)	22/p120 (pT310)	Hu																							
p120 Catenin (pT916)	1/Catenin	Hu																							
p130 ^{Cas} (pY249)	J169-757.12.2	Hu																							
PARP, Cleaved Form (Asp 214)	F21-852	Hu ^t															564129								
Pax5	1H9	Hu ^t		+													563190		563191						
Pax-6	O18-1330	Hu																							
PCNA	PC10	Hu	+	+																					
PDPK1 (pS241) (PDK1, PKB kinase, pS241, pS241, PDK1 (pS241), PKB kinase (pS241))	J66-653.44.17	Hu	+																						
PDX-1	658A5	Hu ^t																							
Perforin	δG9	Hu	+			+											563393								
Phosphotyrosine	PY20	Hu ^t																							
PKA RIIα (pS99)	I65-856.286	Hu	+	+																					
PKA[RIIβ] (pS114)	47	Hu																							
PKCα	3/PKC	Hu	+	+																					
PKCα (pT497)	K14-984	Hu ^t	+	+																					
PKCα (pT638)	35/PKC	Hu	+																						
PKCθ	27	Hu	+																						

+ Positive[§] – Negative

[§]Positive refers to any expression of this specificity either in all cells, a subset, or upon activation. Expression may not be high enough to detect by flow cytometry. Empty cells represent lack of information confirming the expression of the marker within the cell type.

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Intracellular Cell-Signaling and Transcription Factors	Blue Laser (488 nm)									Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)						Biotin
	1			2	3	4			5	1	2	3	4	1		2		3		
	515 nm	519 nm	Alexa Fluor® 488	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	704 nm	719 nm	785 nm	785 nm	
Product Name	BD Horizon BB515	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	BD Horizon APC-R700	Alexa Fluor® 700	APC-Cy7	BD APC-H7	
p53		554298		556534						556534										
		557026		557027						557027										
p53 (acK382)															560231					
p53 (pS37)			560282												560280					
p120 Catenin (pS268)			558558												558559					
p120 Catenin (pS288)			558562	558567						558567					558561					
p120 Catenin (pS879)				558634						558634										
p120 Catenin (pT310)			558667	558596						558596					558668					
p120 Catenin (pT916)			558669	558637						558637					558670					
p130^{Cas} (pY249)			558546	558538						558538					558547					
PARP, Cleaved Form (Asp 214)		558576		552933	564130			562388		552933							560640			
Pax5			562816	562688	562815						562815				562814					
Pax-6			561664	561552						561552										
PCNA		556030		556031						556031										555567
PDPK1 (pS241) (PDK1, PKB kinase, pS241, pS241, PDK1 (pS241), PKB kinase (pS241))			560090	560092						560092					560091					
PDX-1			562274	562161				563436		562161					562265					
Perforin		556577	563764	556437	563763			563762		556437	563763				563576					
Phosphotyrosine				558008						558008										
PKA RIIα (pS99)				560165						560165					560164					
PKA[RIIβ] (pS114)			560204												560205					
PKCα			560242												560243					
PKCα (pT497)			560139	560141						560141					560140					
PKCα (pT638)				560267						560267					560266					
PKCθ				560216						560216				560344						

Bold catalog numbers denote that the product is a small size (25–30 tests or 25 μ g).

* RUO (GMP) status reagents

† Denotes multiple reactivities. To view all reactivities, please find the technical data sheet online at bdbiosciences.com.

‡ Denotes that the product is a large size (250 or 500 tests)

BD Multicolor Antibody Reagents Catalog **Human** Antibody Reagents

Intracellular Cell-Signaling and Transcription Factors			Emission Max											UV Laser (355 nm)					Violet Laser (405 nm)									
			T Cell	B Cell	Dendritic Cell	NK Cell	Macrophage/Monocyte	Granulocyte	Platelet	Erythrocyte	Endothelial Cell	Epithelial Cell	Stem Cell/Precursor	1	2	5	3	4	1	2	3	4	5	6				
Product Name	Clone	React	395 nm	496 nm	661 nm	737 nm	805 nm	421 nm	448 nm	500 nm	510 nm	602 nm	650 nm	711 nm	786 nm	BD Horizon BUV395	BD Horizon BUV496	BD Horizon BUV661	BD Horizon BUV737	BD Horizon BUV805	BD Horizon BV421	BD Horizon V450	BD Horizon V500	BD Horizon BV510	BD Horizon BV605	BD Horizon BV650	BD Horizon BV711	BD Horizon BV786
PLC-γ1	10/PLC-gamma	Hu	+																									
PLC-γ1 (pY783)	27/PLC	Hu	+																									
PLC-γ2	K86-1161	Hu [†]	+	+																								
PLC-γ2 (pY759)	K86-689.37	Hu	+	+																								
PLZF	R17-809	Hu	+																									
PLK1 (pT210)	K50-483	Hu	+																									
PTEN (MMAC1, TEP1)	A2B1	Hu [†]	+																									
PTF1A	S26-763	Hu [†]																										
Pyk2 (pY402)	L68-1256.272	Hu	+																									
Rb (a.a. 332-344)	G3-245	Hu [†]	+	+	+	+	+	+																				
Rb (pS780)	J146-35	Hu	+	+																								
Rb (pS807/pS811)	J112-906	Hu	+	+																								
Rb, underphosphorylated (a.a. 514-610)	G99-549	Hu [†]	+	+	+	+	+	+																				
Recoverin	S36-208	Hu																										
Ronin/THAP11	P56-507	Hu [†]																										
RORγt	Q21-559	Hu	+																			563282						563424
RUNX3	R3-5G4	Hu [†]	+	+	+	+	+	+																				
S6 (pS235/pS236)	N7-548	Hu	+	+		+																	561457					
S6 (pS240)	N4-41	Hu	+	+																								
S6 (pS244)	N5-676	Hu	+	+																								
SATB1	14/SATB1	Hu	+																									
SHP2 (pY542)	L99-921	Hu	+	+																								
SLP-76	H3	Hu	+																									
SLP-76 (pY128)	J141-668.36.58	Hu	+																									

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Intracellular Cell-Signaling and Transcription Factors	Blue Laser (488 nm)									Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)						Biotin	
	1			2	3		4			5	1	2	3	4	1		2		3		
	515 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	704 nm	719 nm	785 nm	785 nm		
Product Name	BD Horizon BB515	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	BD Horizon APC-R700	Alexa Fluor® 700	APC-Cy7	BD APC-H7		
PLC-γ1			558566	558575						558575					558565						
PLC-γ1 (pY783)			557884												557883						
PLC-γ2			560135	560134						560134					560136						
PLC-γ2 (pY759)			558507	558490						558490					558498						
PLZF				564850						564850					563490						
PLK1 (pT210)			558446	558445						558445					558447						
PTEN (MMAC1, TEP1)				560002						560002					560003						
PTF1A															564750						
Pyk2 (pY402)				560255						560255					560256						
Rb (a.a. 332-344)		556538																			
Rb (pS780)			558554	558548						558548					558555						
Rb (pS807/pS811)			558589	558549						558549					558590						
Rb, underphosphorylated (a.a. 514-610)		550501		550502						550502											
Recoverin				564906						564906											
Ronin/THAP11				562549						562549											
RORγt			563621	563081						563081					563620						
RUNX3				564814						564814											
S6 (pS235/pS236)			560434	560433						560433					560435						
S6 (pS240)			560431	560430						560430					560432						
S6 (pS244)				560462						560462					560465						
SATB1															562378						
SHP2 (pY542)										560389					560390						
SLP-76			560056	560058						560058					560057						
SLP-76 (pY128)			558439	558437						558437					558438						

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BD Multicolor Antibody Reagents Catalog **Human** Antibody Reagents

Intracellular Cell-Signaling and Transcription Factors			Emission Max											UV Laser (355 nm)					Violet Laser (405 nm)										
			T Cell	B Cell	Dendritic Cell	NK Cell	Macrophage/Monocyte	Granulocyte	Platelet	Erythrocyte	Endothelial Cell	Epithelial Cell	Stem Cell/Precursor	1	2	5	3	4	1	2	3	4	5	6					
Product Name	Clone	React	395 nm	496 nm	661 nm	737 nm	805 nm	421 nm	448 nm	500 nm	510 nm	602 nm	650 nm	711 nm	786 nm	BD Horizon BUV395	BD Horizon BUV496	BD Horizon BUV661	BD Horizon BUV737	BD Horizon BUV805	BD Horizon BV421	BD Horizon V450	BD Horizon V500	BD Horizon BV510	BD Horizon BV605	BD Horizon BV650	BD Horizon BV711	BD Horizon BV786	
Smad1 (pS463/pS465)/ Smad8 (pS465/pS467)	N6-1233	Hu	+	+																									
Smad2 (pS465/pS467)/ Smad3 (pS423/pS425)	O72-670	Hu ^t	+	+																									
SNAI2/Slug	S43-1259	Hu ^t																											
Sox1	N23-844	Hu																											
Sox2	245610	Hu																											
	O30-678	Hu																				561610							
Sox7	S5-1216	Hu																											
Sox17	P7-969	Hu																											
Src (pY418)	K98-37	Hu	+																										
Stat1 (N-terminus)	1/Stat1	Hu	+	+	+	+	+																						
Stat1 (pS727)	K51-856	Hu	+	+	+	+																							
Stat1 (pY701)	4a	Hu ^t	+	+	+	+	+															562985							
Stat3	M59-50	Hu	+	+	+	+	+																						
Stat3 (pS727)	49/p-Stat3	Hu ^t	+	+	+	+																							
Stat3 (pY705)	4/P-STAT3	Hu ^t	+	+	+	+	+																						
Stat4 (pY693)	38/p-Stat4	Hu	+		+																								
Stat5 (pY694)	47	Hu	+	+	+	+	+															562984							
Stat6	23/Stat6	Hu	+	+	+	+																							
Stat6 (pY641)	18	Hu	+	+	+	+																561203							
Syk	4D10	Hu		+																									
Syk (pY348)	I120-722	Hu ^t		+																									

+ Positive^s – Negative

^sPositive refers to any expression of this specificity either in all cells, a subset, or upon activation. Expression may not be high enough to detect by flow cytometry. Empty cells represent lack of information confirming the expression of the marker within the cell type.

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Clone

Highlighted clones denote that the clone is available for the Express Custom Conjugation Service.

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Intracellular Cell-Signaling and Transcription Factors	Blue Laser (488 nm)									Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)						Biotin
	1			2	3	4			5	1	2	3	4	1		2		3		
	515 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	704 nm	719 nm	785 nm	785 nm	
Product Name	BD Horizon BB515	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	BD Horizon APC-R700	Alexa Fluor® 700	APC-Cy7	BD APC-H7	
Smad1 (pS463/pS465)/ Smad8 (pS465/pS467)				562509	563617					562509	563617									
Smad2 (pS465/pS467)/ Smad3 (pS423/pS425)				562586	562697					562586	562697				562696					
SNAI2/Slug				564615						564615										
Sox1				561592				561549		561592										
Sox2			560301 560292	560291						560291					560302					
				562195				561506		562195					562139					
Sox7			564695							564695										
Sox17			562205	561591				562387		561591					562594					
Src (pY418)			560095	560094						560094					560096					
Stat1 (N-terminus)				558537						558537					558560					
Stat1 (pS727)			560191	560069						560069					560190					
Stat1 (pY701)			612596	612564 562069 [†]	562674			560113		612564 562069 [†]	562674				612597 562070 [‡]					
Stat3				560391						560391				560392						
Stat3 (pS727)			558085	558557						558557					558099					
Stat3 (pY705)			557814	612569 562072 [†]	562673			560114		612569 562072 [†]	562673				557815 562071 [†]					
Stat4 (pY693)			558136	558249 562073 [†]				561217		558249 562073 [†]					558137 562074 [†]					
Stat5 (pY694)			612598 562075 [†]	612567 562077 [†]	562501			560118	560117	612567 562077 [†]	562501		560117		612599 562076 [†]					
Stat6				560001				564149		560001					560000					
Stat6 (pY641)			612600	612701 562078 [†]				561195		612701 562078 [†]					612601 562079 [†]					
Syk		552476																		
Syk (pY348)			560081	558529						558529										

Bold catalog numbers denote that the product is a small size (25–30 tests or 25 µg).

* RUO (GMP) status reagents

[†] Denotes multiple reactivities. To view all reactivities, please find the technical data sheet online at bdbiosciences.com.

[‡] Denotes that the product is a large size (250 or 500 tests)

BD Multicolor Antibody Reagents Catalog **Human** Antibody Reagents

Intracellular Cell-Signaling and Transcription Factors			Emission Max											UV Laser (355 nm)					Violet Laser (405 nm)							
			T Cell	B Cell	Dendritic Cell	NK Cell	Macrophage/Monocyte	Granulocyte	Platelet	Erythrocyte	Endothelial Cell	Epithelial Cell	Stem Cell/Precursor	BD Horizon BUV395	BD Horizon BUV496	BD Horizon BUV661	BD Horizon BUV737	BD Horizon BUV805	BD Horizon BV421	BD Horizon V450	BD Horizon V500	BD Horizon BV510	BD Horizon BV605	BD Horizon BV650	BD Horizon BV711	BD Horizon BV786
Product Name	Clone	React												395 nm	496 nm	661 nm	737 nm	805 nm	421 nm	448 nm	500 nm	510 nm	602 nm	650 nm	711 nm	786 nm
T-Bet	O4-46	Hu ^t	+		+	+											563318	561312					564142	563320	564141	
	4B10	Hu ^t	+		+	+																				
TBK1 (pS172) (T2K, NAK)	J133-587	Hu																								
TBK1 (T2K, NAK)	637Ig11.2	Hu																								
TCF-7/TCF-1	S33-966	Hu ^t	+																							
Terminal Transferase (TdT)	E17-1519	Hu	+	+																						
THEMIS	Q13-1103	Hu	+														563721									
TIE2 (pY992) (TEK, VMCM, CD202b)	K91-860	Hu																								
TIE2 (pY1102) (TEK, VMCM, CD202b)	K93-754	Hu																								
TLR9	eB72-1665	Hu		+	+																					
β-Tubulin, Class III	TUJ1	Hu																								
Vimentin	RV202	Hu																								
WIP (pS488)	K32-824	Hu	+																							
XBP-1S	Q3-695	Hu ^t		+													563382									
ZAP-70	1E7.2	Hu	+																							
Zap70 (pY292)	J34-602	Hu	+																							
Zap-70 (pY319)/Syk (pY352)	17a/P-ZAP70	Hu ^t	+	+																						

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Intracellular Cell-Signaling and Transcription Factors	Blue Laser (488 nm)									Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)						Biotin
	1			2	3	4			5	1	2	3	4	1		2		3		
	515 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	704 nm	719 nm	785 nm	785 nm	
Product Name	BD Horizon BB515	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	BD Horizon APC-R700	Alexa Fluor® 700	APC-Cy7	BD APC-H7	
T-Bet			561266	561268	562467			561316		561268	562467				561267					
				561265						561265					561264					
TBK1 (pS172) (T2K, NAK)			558602	558604						558604					558603					
TBK1 (T2K, NAK)			558697	558696						558696					558698					
TCF-7/TCF-1				564217						564217										
Terminal Transferase (TdT)		332789 ^c 550756		332790 ^c 550757						347195 [*] 550757					332791 ^c					
THEMIS				562588						562588					563703					
TIE2 (pY992) (TEK, VMCM, CD202b)															560051					
TIE2 (pY1102) (TEK, VMCM, CD202b)			560053	560052						560052					560054					
TLR9				560425										560428						
β-Tubulin, Class III			560381												560394					
Vimentin			562338	562237						562237										
WIP (pS488)				558673						558673					558674					
XBP-1S				562642	562820					562642	562820				562821					
ZAP-70		344931 [*]		344635 [*]						344635 [*]										
Zap70 (pY292)			558516	558510						558510					558515					
Zap-70 (pY319)/Syk (pY352)			557818	557881				561459	561458	557881			561458		557817					

Bold catalog numbers denote that the product is a small size (25–30 tests or 25 µg).

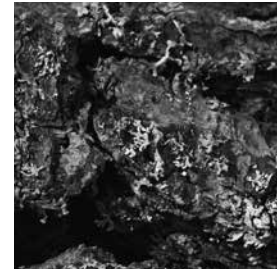
* RUO (GMP) status reagents

† Denotes multiple reactivities. To view all reactivities, please find the technical data sheet online at bdbiosciences.com.

‡ Denotes that the product is a large size (250 or 500 tests)



Hyla chrysoscelis, or cope's gray tree frog uses skin coloration and texture to blend seamlessly against the bark of the trees where it resides. Should it be discovered though, the frog will expose bright orange or yellow markings on the underside of its legs as it jumps in order to confuse its pursuer. Cope's gray tree frogs can be found in much of the eastern United States and Canada, as far west as Texas.



Contents



Human Antibody Reagents

Surface Markers	6 – 49
Intracellular Cytokines and Chemokines	50 – 55
Intracellular Cell-Signaling and Transcription Factors	56 – 73



Mouse Antibody Reagents

Surface Markers	76 – 105
Intracellular Cytokines and Chemokines	106 – 107
Intracellular Cell-Signaling and Transcription Factors	108 – 115



Non-Human Primate Antibody Reagents

Surface Markers	118 – 127
Intracellular Cytokines and Chemokines	128 – 129
Intracellular Cell-Signaling and Transcription Factors	130 – 131

BD Multicolor Antibody Reagents Catalog **Mouse** Antibody Reagents

Surface Markers			Emission Max											UV Laser (355 nm)					Violet Laser (405 nm)												
														1					2					3		4		5		6	
														395 nm	496 nm	661 nm	737 nm	805 nm	421 nm	448 nm	500 nm	510 nm	602 nm	650 nm	711 nm	786 nm					
Product Name	Clone	React	T Cell	B Cell	Dendritic Cell	NK Cell	Macrophage/Monocyte	Granulocyte	Platelet	Erythrocyte	Endothelial Cell	Epithelial Cell	Stem Cell/Precursor	BD Horizon BUV395	BD Horizon BUV496	BD Horizon BUV661	BD Horizon BUV737	BD Horizon BUV805	BD Horizon BV421	BD Horizon V450	BD Horizon V500	BD Horizon BV510	BD Horizon BV605	BD Horizon BV650	BD Horizon BV711	BD Horizon BV786					
CD1d (CD1.1, Ly-38)	1B1	Ms	+	+	+	+	+	+																							
CD2 (LFA-2)	RM2-5	Ms	+	+		+	+																								
CD3 (molecular complex)	17A2	Ms	+																												
CD3ε (CD3 ε chain)	145-2C11	Ms	+			+								563565	564661		564618					563024	563004	564378	563123	564379					
	500A2	Ms	+			+														560804 560801	560773 560771										
CD4 (L3T4)	GK1.5	Ms	+		+	+	-							563790	564667			564922	562891							563232	563050	563331			
	H129.19	Ms	+		+	+	-																								
	RM4-4	Ms	+		+	+	-																								
	RM4-5	Ms	+		+	+	-														560470 560468	560783 560782	563106	563151	563747	563726	563727				
CD5 (Ly-1)	53-7.3	Ms	+	+																											
CD5.1 (Ly-1.1)	H11-86.1	Ms	+	+																											
CD6	J90-462	Ms	+																												
CD8a (Ly-2)	53-6.7	Ms	+		+									563786				564920	563898	560471 560469	560778 560776	563068	563152	563234	563046	563332					
CD8b (Ly-3)	H35-17.2	Ms	+																												
CD8b.2 (Ly-3.2)	53-5.8	Ms	+																												
CD9	KMC8	Ms																													

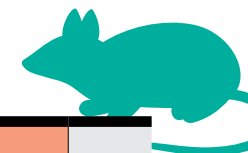
+ Positive[§] - Negative

[§]Positive refers to any expression of this specificity either in all cells, a subset, or upon activation. Expression may not be high enough to detect by flow cytometry. Empty cells represent lack of information confirming the expression of the marker within the cell type.

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Clone Highlighted clones denote that the clone is available for the Express Custom Conjugation Service.

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Surface Markers	Blue Laser (488 nm)									Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)						Biotin	
	1			2	3	4			5	1	2	3	4	1		2		3			
	515 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	704 nm	719 nm	785 nm	785 nm		
Product Name	BD Horizon BB515	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	BD Horizon APC-R700	Alexa Fluor® 700	APC-Cy7	BD APC-H7		
CD1d (CD1.1, Ly-38)		553845 561756		553846				562713		553846					564706					553844	
CD2 (LFA-2)		553111 561758		553112						553112										553110	
CD3 (molecular complex)		555274 561798		561799 555275		555276		560527	560591	561799 555275		555276	560591		557869		561388	560590			
CD3e (CD3 ε chain)		561827 553061 553062	557666	561824 553063 553064	562332 562286	561825 553065	561089 553067	561108 551163	561100 552774	561824 553063 553064	562332 562286	561825 553065	561100 552774	561826 553066					561042 557596		553059 553060
				553240						553240								557984			553239
CD4 (L3T4)		561828 557307 553729		561829 557308 553730					563933	561829 557308 553730									561830 552051	560246 560181	553728
		561831 553650 553651		561832 553652 553653		553654				553652 553653		553654									553648 553649
																					557443
		561835 553046 553047	557667	561837 553048 553049	562314 562285	561836 553050	561090 553052	561115 550954	561099 552775	561837 553048 553049	562314 562285	561836 553050	561099 552775	561091 553051	557681			561025 557956			553044 553045
CD5 (Ly-1)		553020 553021		553022 553023		553024	553025			553022 553023		553024		561895 550035							553018 553019
CD5.1 (Ly-1.1)		557487																			
CD6		558500		558499						558499											
CD8a (Ly-2)	564459 564422	561966 553030 553031	557668	561095 553032 553033	562315 562283	561094 553034	561092 553036	561109 551162	561097 552877	561095 553032 553033	562315 562283	561094 553034	561097 552877	561093 553035	557682	564983	557959	561967 557654	560247 560182		553028 553029
CD8b (Ly-3)				550798						550798											
CD8b.2 (Ly-3.2)		553040 561968		553041						553041											553039
CD9															564233						

Bold catalog numbers denote that the product is a small size (25–30 tests or 25 µg).

* RUO (GMP) status reagents

† Denotes multiple reactivities. To view all reactivities, please find the technical data sheet online at bdbiosciences.com.

‡ Denotes that the product is a large size (250 or 500 tests)

BD Multicolor Antibody Reagents Catalog **Mouse** Antibody Reagents

Surface Markers			Emission Max											UV Laser (355 nm)					Violet Laser (405 nm)										
			T Cell	B Cell	Dendritic Cell	NK Cell	Macrophage/Monocyte	Granulocyte	Platelet	Erythrocyte	Endothelial Cell	Epithelial Cell	Stem Cell/Precursor	1	2	5	3	4	1	2	3	4	5	6					
Product Name	Clone	React	395 nm	496 nm	661 nm	737 nm	805 nm	421 nm	448 nm	500 nm	510 nm	602 nm	650 nm	711 nm	786 nm	BD Horizon BUV395	BD Horizon BUV496	BD Horizon BUV661	BD Horizon BUV737	BD Horizon BUV805	BD Horizon BV421	BD Horizon V450	BD Horizon V500	BD Horizon BV510	BD Horizon BV605	BD Horizon BV650	BD Horizon BV711	BD Horizon BV786	
CD11a (Integrin α_L chain, LFA-1 α)	2D7	Ms	+	+	+	+	+																						
	M17/4	Ms	+	+	+	+	+																						
CD11b (Integrin α_M chain)	M1/70	Ms			+	+	+																						
CD11c (Integrin α_X chain)	HL3	Ms	+		+	+	+																						
CD13	R3-242	Ms			+		+																						
CD14	rmC5-3	Ms			+		+	+																					
CD16/CD32 (Fc γ III/II receptor)	2.4G2	Ms		+	+	+	+	+																					
CD18 (Integrin β^2 chain, CR3/CR4)	C71/16	Ms	+	+	+	+	+	+	+	-	-	-																	
CD19	1D3	Ms	-	+	+	-	-	-	-	-	-	-	-	-	+														
CD21/CD35 (CR2/CR1)	7G6	Ms	+	+																									
CD22 (PY822)	12a/CD22	Ms																											
CD22.2 (Lyb-8.2)	Cy34.1	Ms		+																									
CD23 (FceRII)	B3B4	Ms		+	+																								
CD24 (Heat stable antigen)	M1/69	Ms	+	+	+																								

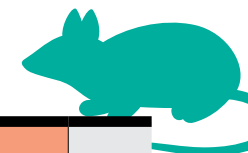
+ Positive[§] – Negative

[§]Positive refers to any expression of this specificity either in all cells, a subset, or upon activation. Expression may not be high enough to detect by flow cytometry. Empty cells represent lack of information confirming the expression of the marker within the cell type.

Clone

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Surface Markers	Blue Laser (488 nm)									Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)						Biotin
	1			2	3	4			5	1	2	3	4	1		2		3		
	515 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	704 nm	719 nm	785 nm	785 nm	
Product Name	BD Horizon BB515	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	BD Horizon APC-R700	Alexa Fluor® 700	APC-Cy7	BD APC-H7	
CD11a (Integrin α_L chain, LFA-1 α)		553120 561683		553121				562809	558191	553121			558191	562810						557365
		553340													563668					557455
CD11b (Integrin α_M chain)	564455 564454	561688 557396 553310	557672	561689 557397 553311	562317 562287			561114 550993	561098 552850	561689 557397 553311	562317 562287		561098 552850	561690 553312	557686	564985	557960	561039 557657		557395 553309
		561045 557400 553801		561044 562454 553802	562454			560584	561022 558079	561044 557401 553802	562454		561022 558079	561119 550261			560583	561241		553800
CD13		558744		558745						558745					564352					
CD14		553739 561710		561711 553740	564145			560638		561711 553740	564145			560634				560636		
CD16/CD32 (Fc γ III/II receptor)		553144 561728		553145 561727				560540	560829	553145 561727			560829	558636				560541		553143
CD18 (Integrin β^2 chain, CR3/CR4)		553292		553293				562827		553293				562828						557439
CD19		561740 557398 553785		561736 557399 553786	562329 562291			561113 551001	561739 552854	561736 557399 553786	562329 562291		561739 552854	561738 550992	557684		557958	561737 557655	560245 560143	553784
														561770 558658						562796
CD21/CD35 (CR2/CR1)		553818 561769		552957	563959			562797		552957	563959									
CD22 (PY822)			560075	560076						560076										
CD22.2 (Lyb-8.2)		557474		553384						553384										553382
CD23 (FceRII)	564637	553138 561772		561773 553139	563986				562825	561773 553139	563986		562825		562826					553137
CD24 (Heat stable antigen)		553261 561777		561079 553262	562477			562360	560536	561079 553262	562477		560536				564237			553260

Bold catalog numbers denote that the product is a small size (25–30 tests or 25 μ g).

* RUO (GMP) status reagents

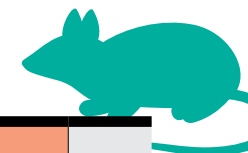
† Denotes multiple reactivities. To view all reactivities, please find the technical data sheet online at bdbiosciences.com.

‡ Denotes that the product is a large size (250 or 500 tests)

BD Multicolor Antibody Reagents Catalog Mouse Antibody Reagents

Surface Markers			Emission Max													UV Laser (355 nm)					Violet Laser (405 nm)																			
			T Cell	B Cell	Dendritic Cell	NK Cell	Macrophage/Monocyte	Granulocyte	Platelet	Erythrocyte	Endothelial Cell	Epithelial Cell	Stem Cell/Precursor	1	2	3	4	1	2	3	4	5	6																	
Product Name	Clone	React	395 nm	496 nm	661 nm	737 nm	805 nm	421 nm	448 nm	500 nm	510 nm	602 nm	650 nm	711 nm	786 nm	BD Horizon BUV395	BD Horizon BUV496	BD Horizon BUV661	BD Horizon BUV737	BD Horizon BUV805	BD Horizon BV421	BD Horizon V450	BD Horizon V500	BD Horizon BV510	BD Horizon BV605	BD Horizon BV650	BD Horizon BV711	BD Horizon BV786												
CD25 (IL-2 receptor α chain, p55)	3C7	Ms	+	+	+		+																								564370								564368	
	7D4	Ms	+	+	+		+																								564571									
	PC61	Ms	+	+	+		+									564022							561257		563037	563061	564021										564023			
CD26 (THAM, DPP IV)	H194-112	Ms	+	+		+								+																										
CD27	LG.3A10	Ms [†]	+	+		+																561245		563605	563365															
CD28	37.51	Ms	+	-		+																562764																		
CD29	HM β1-1	Ms	+	+	+	+	+	+	+					+	+																									
CD29 (Integrin β ₁ chain)	Ha2/5	Ms [†]																				564131	562155																	
CD30	mCD30.1	Ms	+	+		+	+																																	
CD31 (PECAM-1)	390	Ms	+	+		+	+	+	+	-	+												563356																	
	MEC 13.3	Ms	+	+		+	+	+	+	-	+												562939		563089															
CD34 (Mucosialin)	RAM34	Ms	-	-	-	-	-	-	-	-	+			+																										
CD36	CRF D-2712	Ms			+		+	+	+	+																														
CD38	90	Ms	+	+	+	+	+	-															562768																	
CD40	3/23	Ms	-	+	+	-	+	-		-	+	+	+										562846																	
	HM40-3	Ms [†]	-	+	+	-	+	-		-	+	+	+																											
CD41 (Integrin α _{IIb} chain)	MWReg30	Ms	-	-	-	-	-	-	+	-	-	-	+		564056								562957			563317														
CD43 (Ly-48, leukosialin)	S7	Ms	+			+	+	+	+														562958		563206	563205														

Choose from our extensive portfolio of high-quality fluorescent-conjugated reagents to build your multicolor flow cytometry panels.



Surface Markers	Blue Laser (488 nm)									Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)						Biotin	
	1			2	3		4			5	1	2	3	4	1		2		3		
	515 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	704 nm	719 nm	785 nm	785 nm		
Product Name	BD Horizon BB515	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	BD Horizon APC-R700	Alexa Fluor® 700	APC-Cy7	BD APC-H7		
CD25 (IL-2 receptor α chain, p55)		558689		553075						553075				558643							
		561779 553071 553072		558642						558642					563598					553069 553070	
		564458 564424		561065 553866	562695 562694			561112 551071	561780 552880	561065 553866	562695 562694		561780 552880	561048 557192				561038 557658			
CD26 (THAM, DPP IV)		559652																			
CD27				561785 558754				563603	563604	561785 558754			563604	560691						558753	
CD28				561789 553297	562765					553297	562765				562767					553296	
CD29				562801						562801											
CD29 (Integrin β_1 chain)		555005		562154						562154					562153					555004	
CD30				553825						553825										553824	
CD31 (PECAM-1)		558738	563607						561410				561410		563608					558737	
		561813 553372		561073 553373	563616			562861		561073 553373	563616			561814 551262						553371	
CD34 (Mucosalin)		560238 553733		551387						551387					560233 560230		560518				
CD36				562702						562702				562744							
CD38		558813		553764				562770		553764					562769					553762	
CD40		553790 561845		561846 553791	562847					561846 553791	562847			558695						553789	
		553723													563638						
CD41 (Integrin α_{IIb} chain)		553848 561849		561850 558040						561850 558040											
CD43 (Ly-48, leukosialin)		561856 553270		561857 553271				562865	562866	561857 553271			562866	560663						553269	

Bold catalog numbers denote that the product is a small size (25–30 tests or 25 μ g).

* RUO (GMP) status reagents

† Denotes multiple reactivities. To view all reactivities, please find the technical data sheet online at bdbiosciences.com.

‡ Denotes that the product is a large size (250 or 500 tests)

BD Multicolor Antibody Reagents Catalog Mouse Antibody Reagents

Surface Markers			Emission Max											UV Laser (355 nm)					Violet Laser (405 nm)											
			T Cell	B Cell	Dendritic Cell	NK Cell	Macrophage/Monocyte	Granulocyte	Platelet	Erythrocyte	Endothelial Cell	Epithelial Cell	Stem Cell/Precursor	1	2	5	3	4	1	2	3	4	5	6						
Product Name	Clone	React																												
			395 nm	496 nm	661 nm	737 nm	805 nm	421 nm	448 nm	500 nm	510 nm	602 nm	650 nm	711 nm	786 nm	BD Horizon BUV395	BD Horizon BUV496	BD Horizon BUV661	BD Horizon BUV737	BD Horizon BUV805	BD Horizon BV421	BD Horizon V450	BD Horizon V500	BD Horizon BV510	BD Horizon BV605	BD Horizon BV650	BD Horizon BV711	BD Horizon BV786		
CD44 (Pgp-1, H-CAM, Ly-24)	IM7	Ms	+	+	+	+	+														563970	560452 560451	560781 560780	563114	563058		563971	563736		
CD45 (Leucocyte common antigen, Ly-5)	30-F11	Ms	+	+	+	+	+								564279		565079					563890	560501	561487	563891	563053	563410	563709	564225	
CD45.1 (Ly-5.1)	A20	Ms	+	+	+	+	+												564574			563983	560520			563010	563754	563982		
CD45.2 (Ly-5.2)	104	Ms	+	+	+	+	+								564616			564880				562895	560697	562130 562129		563051		563685	563686	
CD45R/B220	RA3-6B2	Ms [†]	+	+	+	+	+								563793	564662	565077					562922	560473 560472	561227 561226	563103	563708	563893	563892	563894	
CD45RA	14.8	Ms	+	+	+	+	+																			564360		564361		
CD45RB	16A	Ms	+	+	+	+	+															562849								
CD45RC	DNL-1.9	Ms	+	+	+	+	+																							
CD47 (IAP)	miap301	Ms	+	+	+	+	+																							
CD48 (BCM1)	HM48-1	Ms	+	+		+	+																							
CD49b (Integrin α ₂ chain)	HMα2	Ms	+	+		+	+	-	+	-	+	+	+																	
	Ha1/29	Ms [†]	+	+		+	+	-	+	-	+	+	+																	
CD49b/Pan-NK Cells	DX5	Ms																				563063	561638							
CD49d (Integrin α ₄ chain)	9C10 (MRF4.B)	Ms	+	+	+	+	+	-	-	-	+																			
	R1-2	Ms	+	+	+	+	+	-	-	-	+																			564397
CD49e (Integrin α ₅ chain)	5H10-27	Ms	+		+	+	+		+	+	+	+	+																	
CD49f (Integrin α ₆ chain)	GoH3	Ms [†]	+				+		+		+	+	+																	
CD51 (Integrin α _v chain)	RMV-7	Ms					+	-	+		+																			
CD53	OX-79	Ms																												

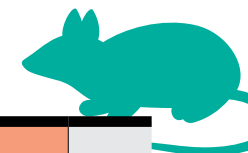
Clone

Highlighted clones denote that the clone is available for the Express Custom Conjugation Service.

+ Positive[§] - Negative

[§]Positive refers to any expression of this specificity either in all cells, a subset, or upon activation. Expression may not be high enough to detect by flow cytometry. Empty cells represent lack of information confirming the expression of the marker within the cell type.

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Surface Markers	Blue Laser (488 nm)									Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)						Biotin
	1			2	3	4			5	1	2	3	4	1		2		3		
	515 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	704 nm	719 nm	785 nm	785 nm	
Product Name	BD Horizon BB515	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	BD Horizon APC-R700	Alexa Fluor® 700	APC-Cy7	BD APC-H7	
CD44 (Pgp-1, H-CAM, Ly-24)	564587	553133 561859		561860 553134	562464	561861 553135		560570	560569	561860 553134	562464	561861 553135	560569	561862 559250			560567	560568		553132
CD45 (Leucocyte common antigen, Ly-5)	564590	561088 553079 553080		561087 553081	562420	561870 553082	561047 557235	561869 550994	561868 552848	561087 553081	562420	561870 553082	561868 552848	561018 559864			560510	561037 557659		553077 553078
CD45.1 (Ly-5.1)		553775 561871		561872 553776	562452			560580	560578	561872 553776	562452		560578	561873 558701			561235	560579		553774
CD45.2 (Ly-5.2)		553772 561874		560695				561096 552950	560696	560695			560696	561875 558702			560693	560694		553771
CD45R/B220		561877 553087 553088	557669	561878 553089 553090	562313 562290	561879 553091	561086 553093	561101 552771	561881 552772	561878 553089 553090	562313 562290	561879 553091	561881 552772	561880 553092	557683		557957	561102 552094		553085 553086
CD45RA				553380				564359		553380					562763					557460
CD45RB		553099 553100		553101						553101					562848					553097 553098
CD45RC				557357						557357										
CD47 (IAP)		555298 561890		563585	563586					563585	563586				563584					
CD48 (BCM1)		557484		557485					560731	557485			560731	562746				561242		
CD49b (Integrin α_2 chain)				558759						558759				558295						
		554999																		
CD49b/Pan-NK Cells		561067 553857		561066 553858	562453					561066 553858	562453			560628						553856
CD49d (Integrin α_4 chain)				557420						557420										557419
		553156		553157	564395					553157	564395				564394					557406
CD49e (Integrin α_5 chain)				557447						557447										557446
CD49f (Integrin α_6 chain)		561893 555735		561894 555736	562493 562474	551129		562495 562475		561894 555736	562493 562474	551129			562494 562473					
CD51 (Integrin α_v chain)				551187						551187										551380
CD53															564931					

Bold catalog numbers denote that the product is a small size (25–30 tests or 25 μ g).

* RUO (GMP) status reagents

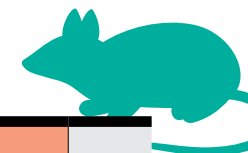
† Denotes multiple reactivities. To view all reactivities, please find the technical data sheet online at bdbiosciences.com.

‡ Denotes that the product is a large size (250 or 500 tests)

BD Multicolor Antibody Reagents Catalog **Mouse** Antibody Reagents

Surface Markers			Emission Max											UV Laser (355 nm)					Violet Laser (405 nm)						
			T Cell	B Cell	Dendritic Cell	NK Cell	Macrophage/Monocyte	Granulocyte	Platelet	Erythrocyte	Endothelial Cell	Epithelial Cell	Stem Cell/Precursor	1	2	5	3	4	1	2	3	4	5	6	
Product Name	Clone	React											395 nm	496 nm	661 nm	737 nm	805 nm	421 nm	448 nm	500 nm	510 nm	602 nm	650 nm	711 nm	786 nm
													BD Horizon BUV395	BD Horizon BUV496	BD Horizon BUV661	BD Horizon BUV737	BD Horizon BUV805	BD Horizon BV421	BD Horizon V450	BD Horizon V500	BD Horizon BV510	BD Horizon BV605	BD Horizon BV650	BD Horizon BV711	BD Horizon BV786
CD54 (ICAM-1)	3E2	Ms	+	+				+										564704			563628				
CD55 (DAF)	RIKO-5	Ms	+	+		+		+	+	+	+	+													
CD61 (Integrin β_3 chain)	2C9.G2	Ms [†]						+		+								562917							
CD62E (E-selectin, ELAM-1)	10E9.6	Ms									+														
CD62L (L-selectin, LECAM-1, Ly-22)	MEL-14	Ms	+	+		+		+										562910	560507		563117	563252	564108		564109
CD62P (P-selectin)	RB40.34	Ms								+								564289					563897		
CD63	NVG-2	Ms	+	+		+		+	+	+	+														
CD64 a and b Alloantigens	X54-5/7.1	Ms																							
CD69 (Very early activation antigen)	H1.2F3	Ms					+									564684		562920	560690		563030	563290			564683
CD70	FR70	Ms	+	+														562908							
CD71 (Transferrin receptor)	C2	Ms	+	+		+												562716			563112	563013			
CD72 a, b, and d Alloantigens (Lyb-2.1, Lyb-2.2, Lyb-2.4)	K10.6	Ms																							
CD72 b and c Alloantigens (Lyb-2.2 and Lyb-2.3)	JY/93	Ms																							
CD73 (Ecto-5-nucleotidase)	TY/23	Ms	+	+	+														561544						
CD74 (Ii)	In-1	Ms	+	+	+																				
CD79b (Ig β)	HM79b	Ms		+																					
CD80 (B7-1)	16-10A1	Ms [†]	+	+	+			+										562611	560523				563687		

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Surface Markers	Blue Laser (488 nm)									Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)						Biotin
	1			2	3	4			5	1	2	3	4	1		2		3		
	515 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	704 nm	719 nm	785 nm	785 nm	
Product Name	BD Horizon BB515	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	BD Horizon APC-R700	Alexa Fluor® 700	APC-Cy7	BD APC-H7	
CD54 (ICAM-1)		553252 561898		553253						553253				561605						553251
CD55 (DAF)				558037						558037										
CD61 (Integrin β ₃ chain)		553346 561911		561910 553347						561910 553347					563523					553345
CD62E (E-selectin, ELAM-1)				553751						553751										553750
CD62L (L-selectin, LECAM-1, Ly-22)		553150 561917		561918 553151	562404			560513	560516	561918 553151	562404		560516	561919 553152			560517	560514		553149
CD62P (P-selectin)		553744 561923													563674					553743
CD63				564222						564222										
CD64 a and b Alloantigens				558455						558455					558539					
CD69 (Very early activation antigen)		561919 557392 553236		561932 553237	562455			561931 551113	561930 552879	561932 553237	562455		561930 552879	560689			561238	561240		553235
CD70				555286						555286					563634					555285
CD71 (Transferrin receptor)		553266 561936		561937 553267				562858		561937 553267					563504					557416
CD72 a, b, and d Alloantigens (Lyb-2.1, Lyb-2.2, Lyb-2.4)		550966																		
CD72 b and c Alloantigens (Lyb-2.2 and Lyb-2.3)				550269						550269										
CD73 (Ecto-5-nucleotidase)			561545	550741						550741					561543					
CD74 (ii)		555318 561941																		
CD79b (Igβ)		555303 561944																		
CD80 (B7-1)		553768 561954		561955 553769	562504			560526		561955 553769	562504			560016						553767

Bold catalog numbers denote that the product is a small size (25–30 tests or 25 µg).

* RUO (GMP) status reagents

† Denotes multiple reactivities. To view all reactivities, please find the technical data sheet online at bdbiosciences.com.

‡ Denotes that the product is a large size (250 or 500 tests)

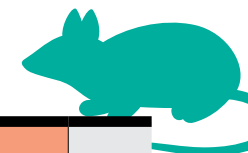
BD Multicolor Antibody Reagents Catalog **Mouse Antibody Reagents**

Surface Markers			Emission Max											UV Laser (355 nm)					Violet Laser (405 nm)															
			T Cell	B Cell	Dendritic Cell	NK Cell	Macrophage/Monocyte	Granulocyte	Platelet	Erythrocyte	Endothelial Cell	Epithelial Cell	Stem Cell/Precursor	1	2	5	3	4	1	2	3	4	5	6										
Product Name	Clone	React	395 nm	496 nm	661 nm	737 nm	805 nm	421 nm	448 nm	500 nm	510 nm	602 nm	650 nm	711 nm	786 nm	BD Horizon BUV395	BD Horizon BUV496	BD Horizon BUV661	BD Horizon BUV737	BD Horizon BUV805	BD Horizon BV421	BD Horizon V450	BD Horizon V500	BD Horizon BV510	BD Horizon BV605	BD Horizon BV650	BD Horizon BV711	BD Horizon BV786						
CD81 (TAPA-1)	Eat2	Ms [†]	+	+	+	+	+																											
CD83	Michel-19	Ms	+	+	+																562932			563222	563253		563136							
CD86 (B7-2)	GL1	Ms	+	+	+		+														564199	564198	560450 560449	563077	563055	564200								
CD90.1 (Thy-1.1)	OX-7	Ms [†]	+		+	+	+															563770	561406			563771	563772							
	HIS51	Ms [†]	+		+	+	+																											
CD90.2 (Thy-1.2)	30-H12	Ms																																
	53-2.1	Ms																							561643	561616	563008		564365					
CD95 (Fas/APO-1)	Jo2	Ms	+	+	+		+														562633			563646										
CD101	307707	Ms	+	-	+	-	+	+	-	-																								
CD102 (ICAM-2)	3C4 (mIC2/4)	Ms	+	+	+		+		+																									
CD103 (Integrin α_{IEL} chain)	M290	Ms	+																								562771		563087		564320	564322		
	M293	Ms	+																															
CD105	MJ7/18	Ms					+																					562760						
CD106 (VCAM-1)	429 (MVCAM.A)	Ms			+		+																						561615					
CD107a (LAMP-1)	1D4B	Ms	+	+			+																				564347	560648			564348	564349		
CD107b (LAMP-2)	ABL-93	Ms	+				+																				564249							
CD117 (c-Kit)	2B8	Ms	+	+	+	+	+	+																				564011		560558		563399	563160	564012
	ACK45	Ms	+	+	+	+	+	+																										
CD120b (TNF receptor, Type II/p75)	TR75-89	Ms	+	+	+	+	+	+																				564088						

+ Positive[§] - Negative

[§]Positive refers to any expression of this specificity either in all cells, a subset, or upon activation. Expression may not be high enough to detect by flow cytometry. Empty cells represent lack of information confirming the expression of the marker within the cell type.

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Surface Markers	Blue Laser (488 nm)									Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)						Biotin	
	1			2	3		4			5	1	2	3	4	1		2		3		
	515 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	704 nm	719 nm	785 nm	785 nm		
Product Name	BD Horizon BB515	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	BD Horizon APC-R700	Alexa Fluor® 700	APC-Cy7	BD APC-H7		
CD81 (TAPA-1)				559519						559519										559518	
CD83			563539	558205						558205				558206							
CD86 (B7-2)		561962 553691		561963 553692					560582	561963 553692			560582	561964 558703			560581			553690	
CD90.1 (Thy-1.1)		554897 561973		551401 554898			557266		561404	551401 554898			561404	561409				561401		554896	
		554894																		554893	
CD90.2 (Thy-1.2)		553012 553013		553014						553014										553011	
		553003 553004		553005 553006					561642	553005 553006			561642	561974 553007				561641		553001 553002	
CD95 (Fas/APO-1)		554257 561979		561985 554258	562499				557653	561985 554258	562499		557653		563647					554256	
CD101															564473						
CD102 (ICAM-2)		557444																		557441	
CD103 (Integrin α_{IEL} chain)		557494		561043 557495				563637		561043 557495				562772						557493	
		557497		557498						557498											
CD105				562759	562762					562759	562762				562761						
CD106 (VCAM-1)		553332 561678		561613						561613					561612					553331	
CD107a (LAMP-1)		561069 553793		558661					560647	558661			560647	560646							
CD107b (LAMP-2)		558758		564246						564246					564247						
CD117 (c-Kit)		553354 561680		561075 553355	562417			560557	558163	561075 553355	562417		558163	561074 553356					560250 560185	553353	
				553869						553869											
CD120b (TNF receptor, Type II/p75)				550086						550086										550476	

Bold catalog numbers denote that the product is a small size (25–30 tests or 25 µg).

* RUO (GMP) status reagents

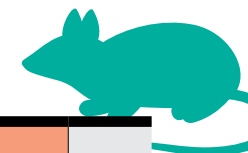
† Denotes multiple reactivities. To view all reactivities, please find the technical data sheet online at bdbiosciences.com.

‡ Denotes that the product is a large size (250 or 500 tests)

BD Multicolor Antibody Reagents Catalog Mouse Antibody Reagents

Surface Markers			Emission Max											UV Laser (355 nm)					Violet Laser (405 nm)							
			T Cell	B Cell	Dendritic Cell	NK Cell	Macrophage/Monocyte	Granulocyte	Platelet	Erythrocyte	Endothelial Cell	Epithelial Cell	Stem Cell/Precursor	1	2	5	3	4	1	2	3	4	5	6		
Product Name	Clone	React																								
			BD Horizon BUV395	BD Horizon BUV496	BD Horizon BUV661	BD Horizon BUV737	BD Horizon BUV805								BD Horizon BV421	BD Horizon V450	BD Horizon V500	BD Horizon BV510	BD Horizon BV605	BD Horizon BV650	BD Horizon BV711	BD Horizon BV786				
CD121a (IL-1 receptor, type I/p80)	35F5	Ms	+		+																				564387	
CD121b (IL-1 receptor, type II/p60)	4E2	Ms	+	+	+		+																			562926
CD122 (IL-2 and IL-15 receptor β chain)	5H4	Ms	+	+		+	+																			
	TM-b1	Ms	+	+		+	+																			562960
CD124 (IL-4 receptor α chain)	mIL4R-M1	Ms	+	+	+			+		+		+														564086
CD125 (IL-5 receptor α chain)	T21	Ms		+					+																	
CD126 (IL-6 receptor α chain)	D7715A7	Ms	+	+	+				+																	
CD127 (IL-7 receptor α chain)	SB/199	Ms	+	+			+																			562959 561205 563353 563748
CD131 (β_{IL-3R^f} , β_c)	JOR050	Ms	+	+																						
CD132 (Common γ chain, γ_c)	4G3	Ms	+	+	+		+																			
	TUGm2	Ms	+	+	+		+																			
CD135 (Flk-2/Flt3, Ly-72)	A2F10.1	Ms	+	+	+		+			+										562898					564013	564014
CD137 (4-1BB, Ly-63)	1AH2	Ms	+	+	+	+	+																			
CD138 (Syndecan-1)	281-2	Ms		+								+														563192 564068 563193
CD140a	APA5	Ms																								562774
CD144	11D4.1	Ms																								562795
CD146	ME-9F1	Ms	+		+																					562232
CD147	RL73	Ms								+	+	+														562934
CD150	Q38-480	Ms	+	+	+		+					+														562811
CD152 (CTLA-4)	UC10-4F10-11	Ms	+	+																						
CD153 (CD30 ligand)	RM153	Ms	+	+			+																			

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Surface Markers	Blue Laser (488 nm)									Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)						Biotin
	1			2	3	4			5	1	2	3	4	1		2		3		
	515 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	704 nm	719 nm	785 nm	785 nm	
Product Name	BD Horizon BB515	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	BD Horizon APC-R700	Alexa Fluor® 700	APC-Cy7	BD APC-H7	
CD121a (IL-1 receptor, type I/p80)				557489						557489					563629					
CD121b (IL-1 receptor, type II/p60)				554450						554450										
CD122 (IL-2 and IL-15 receptor β chain)		554452																		
		553361 561693		553362						553362									559884	
CD124 (IL-4 receptor α chain)				561695 552509						552509					564084				552508	
CD125 (IL-5 receptor α chain)			558533	558488						558488										
CD126 (IL-6 receptor α chain)				554462						554462										
CD127 (IL-7 receptor α chain)			561533	552543	562419				560733	552543	562419		560733	564175						
CD131 (β _{IL-3R} , β _c)				559920						559920										
CD132 (Common γ chain, γ _c)				554457						554457										
				554471						554471									554470	
CD135 (Flk-2/Flt3, Ly-72)				561068 553842	562537					561068 553842	562537			560718						
CD137 (4-1BB, Ly-63)		558975		558976						558976									558974	
CD138 (Syndecan-1)	564511			561070 553714						561070 553714				561705 558626					553713	
CD140a				562776	562775					562776	562775			562777						
CD144				562243						562243					562242					
CD146			562229	562196				562231		562196					562230					
CD147				562676	562836					562676	562836									
CD150				562651											562647					
CD152 (CTLA-4)				561718 553720						561718 553720										
CD153 (CD30 ligand)				559232						559232										

Bold catalog numbers denote that the product is a small size (25–30 tests or 25 µg).

* RUO (GMP) status reagents

† Denotes multiple reactivities. To view all reactivities, please find the technical data sheet online at bdbiosciences.com.

‡ Denotes that the product is a large size (250 or 500 tests)

BD Multicolor Antibody Reagents Catalog **Mouse Antibody Reagents**

Surface Markers			Emission Max											UV Laser (355 nm)					Violet Laser (405 nm)									
			T Cell	B Cell	Dendritic Cell	NK Cell	Macrophage/Monocyte	Granulocyte	Platelet	Erythrocyte	Endothelial Cell	Epithelial Cell	Stem Cell/Precursor	1	2	5	3	4	1	2	3	4	5	6				
Product Name	Clone	React	395 nm	496 nm	661 nm	737 nm	805 nm	421 nm	448 nm	500 nm	510 nm	602 nm	650 nm	711 nm	786 nm	BD Horizon BUV395	BD Horizon BUV496	BD Horizon BUV661	BD Horizon BUV737	BD Horizon BUV805	BD Horizon BV421	BD Horizon V450	BD Horizon V500	BD Horizon BV510	BD Horizon BV605	BD Horizon BV650	BD Horizon BV711	BD Horizon BV786
CD154 (CD40 ligand, gp39)	MR1	Ms	+	+																								
CD157 (BP-3 alloantigen)	BP-3	Ms	+	+																								
CD160	CNX46-3	Ms	+			+																						
CD162 (PSGL-1)	2PH1	Ms	+																		562807			563448				
CD172a (SIRPα, SHPS-1, BIT)	P84	Ms				+																						
CD178 (Fas ligand, CD95 ligand)	MFL3	Ms	+			+																						
CD178.1 (mFasL.1, CD95 ligand)	Kay-10	Ms	+			+																						
CD183	CXCR3-173	Ms	+	+			+																					
CD184 (CXCR4, fusin)	2B11/CXCR4	Ms	+	+																								
CD185 (CXCR5)	2G8	Ms	+	+		+																						
CD193 (CCR3)	83103	Ms	+			+																						
CD195 (CCR5)	C34-3448	Ms	+			+																						
CD196 (CCR6)	140706	Ms	+	+		+																						
CD197 (CCR7)	4B12	Ms	+	+		+																						
CD207 (Langerin)	81E2	Ms																										
CD210 (IL-10 receptor)	1B1.3a	Ms	+	+		+																						
CD212 (IL-12 receptor β chain)	114	Ms	+	+		+																						
CD223 (LAG3)	C9B7W	Ms	+	-		-																						
CD229.1 (Ly-9.1)	30C7	Ms	+	+																								
CD244.2 (2B4 B6 alloantigen)	2B4	Ms																										
CD267 (TACI)	8F10	Ms		+																								

+ Positive[§] – Negative

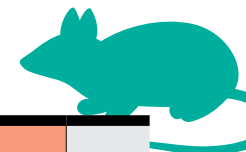
[§]Positive refers to any expression of this specificity either in all cells, a subset, or upon activation. Expression may not be high enough to detect by flow cytometry. Empty cells represent lack of information confirming the expression of the marker within the cell type.

Visit bdbiosciences.com/colors for the most up-to-date product listings.

Clone

Highlighted clones denote that the clone is available for the Express Custom Conjugation Service.

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Surface Markers	Blue Laser (488 nm)									Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)						Biotin
	1			2	3	4			5	1	2	3	4	1		2		3		
	515 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	704 nm	719 nm	785 nm	785 nm	
Product Name	BD Horizon BB515	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	BD Horizon APC-R700	Alexa Fluor® 700	APC-Cy7	BD APC-H7	
CD154 (CD40 ligand, gp39)				561719 553658						561719 553658										553657
CD157 (BP-3 alloantigen)				552814						552814										
CD160				562216	562512			562218		562216	562512				562217					
CD162 (PSGL-1)				555306				564310		555306					562806					
CD172a (SIRP α , SHPS-1, BIT)		560316		560107						560107				560106						
CD178 (Fas ligand, CD95 ligand)				555293						555293										555292
CD178.1 (mFasL.1, CD95 ligand)				553854						553854										553853
CD183				562152						562152				562266						
CD184 (CXCR4, fusin)		561735 551967		551966						551966				558644						551968
CD185 (CXCR5)		561989 560577			562856			560528	560617		562856		560617	560615						551960
CD193 (CCR3)														557974						
CD195 (CCR5)				559923						559923										559922
CD196 (CCR6)														561753 557976						
CD197 (CCR7)				560682	563596			560812		560682	563596				560766					
CD207 (Langerin)														564937						
CD210 (IL-10 receptor)				559914						559914										
CD212 (IL-12 receptor β chain)				551974						551974										551973
CD223 (LAG3)				552380						552380				562346						
CD229.1 (Ly-9.1)		553117		560201						560201				560188						557363
CD244.2 (2B4 B6 alloantigen)		553305 561778		553306						553306										557452
CD267 (TACI)				558410						558410					558453					

Bold catalog numbers denote that the product is a small size (25–30 tests or 25 μ g).

* RUO (GMP) status reagents

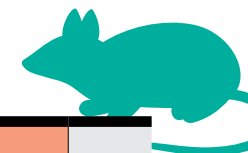
† Denotes multiple reactivities. To view all reactivities, please find the technical data sheet online at bdbiosciences.com.

‡ Denotes that the product is a large size (250 or 500 tests)

BD Multicolor Antibody Reagents Catalog **Mouse Antibody Reagents**

Surface Markers			Emission Max											UV Laser (355 nm)					Violet Laser (405 nm)											
			T Cell	B Cell	Dendritic Cell	NK Cell	Macrophage/Monocyte	Granulocyte	Platelet	Erythrocyte	Endothelial Cell	Epithelial Cell	Stem Cell/Precursor	1	2	5	3	4	1	2	3	4	5	6						
Product Name	Clone	React	395 nm	496 nm	661 nm	737 nm	805 nm	421 nm	448 nm	500 nm	510 nm	602 nm	650 nm	711 nm	786 nm	BD Horizon BUV395	BD Horizon BUV496	BD Horizon BUV661	BD Horizon BUV737	BD Horizon BUV805	BD Horizon BV421	BD Horizon V450	BD Horizon V500	BD Horizon BV510	BD Horizon BV605	BD Horizon BV650	BD Horizon BV711	BD Horizon BV786		
CD270	C46	Ms	+	+	+	+	+																							
CD272 (BTLA)	HMBT-6B2	Ms	+	+	+	-	+	-																						
CD273 (B7-DC, PD-L2)	TY25	Ms	+		+		+														564245									
CD274 (B7-H1, PD-L1)	MIH5	Ms	+	+	+	+	+														564716							563369		
CD278 (ICOS)	7E.17G9	Ms	+																		564070									
CD279 (PD-1)	J43	Ms	+	+																	562584				563059					
CD282 (TLR-2)	6C2	Ms			+		+																							
CD284/MD-2 Complex (TLR4/MD-2 complex)	MT5510	Ms																												
CD314 (NKG2D)	CX5	Ms	+		+	+															562800							563694		
CD321 (JAM-1)	H202-106	Ms	+	+		+	+	+	+	+	+																			
CD326 (EPCAM)	G8.8	Ms																			563214			563216			563134			
CD335 (Nkp46)	29A1.4	Ms				+															562850	560764 560763		563455	564069					
A2B5	105/A2B5	Ms [†]																												
Annexin V	-	-																			564871				563974		563972			
B7-H3 (CD276)	MIH32	Ms	+	+	+	+	+														562634									
B7-H4	MIH29	Ms	+					+																						
CCRL2	BZ2E3	Ms					+																							
Clec9A	10B4	Ms			+																564271									
Clec12A	5D3	Ms		+	+		+														564795									
Delta-Like Protein 1	30B11.1	Ms																												
Delta-Like Protein 4	9A1.5	Ms			+																									
Dendritic Cells	33D1	Ms			+																									

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Surface Markers	Blue Laser (488 nm)									Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)						Biotin
	1			2	3	4			5	1	2	3	4	1		2		3		
	515 nm	519 nm	Alexa Fluor® 488	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	704 nm	719 nm	785 nm	785 nm	
Product Name	BD Horizon BB515	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	BD Horizon APC-R700	Alexa Fluor® 700	APC-Cy7	BD APC-H7	
CD270															564470					
CD272 (BTLA)				563774						563774										
CD273 (B7-DC, PD-L2)				557796						557796				560086						
CD274 (B7-H1, PD-L1)				558091						558091										
CD278 (ICOS)				552146						552146					563469				552145	
CD279 (PD-1)				561788 551892	562523					561788 551892	562523				562671					
CD282 (TLR-2)															562625					
CD284/MD-2 Complex (TLR4/MD-2 complex)				558294						558294										
CD314 (NKG2D)				558403	562614					558403	562614				562347					
CD321 (JAM-1)				564908						564908										
CD326 (EPCAM)				563477						563477					563478					
CD335 (Nkp46)		560756		560757				560800		560757					560755		561169			
A2B5															563776					
Annexin V		560931 566420 556419		560930 556422 556421				561431		560930 556422 556421					561012 550475 550474				556418 556417	
B7-H3 (CD276)			562863	562357						562357					562862					
B7-H4				562239						562239					563639					
CCRL2				564946						564946										
Clec9A				562734											564272					
Clec12A				562773											564794					
Delta-Like Protein 1				563684						563684										
Delta-Like Protein 4				563802						563802										
Dendritic Cells				557578						557578					562524				552776	

Bold catalog numbers denote that the product is a small size (25–30 tests or 25 µg).

* RUO (GMP) status reagents

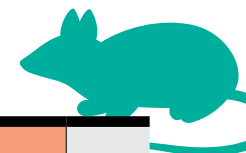
† Denotes multiple reactivities. To view all reactivities, please find the technical data sheet online at bdbiosciences.com.

‡ Denotes that the product is a large size (250 or 500 tests)

BD Multicolor Antibody Reagents Catalog **Mouse** Antibody Reagents

Surface Markers			Emission Max											UV Laser (355 nm)					Violet Laser (405 nm)										
			T Cell	B Cell	Dendritic Cell	NK Cell	Macrophage/Monocyte	Granulocyte	Platelet	Erythrocyte	Endothelial Cell	Epithelial Cell	Stem Cell/Precursor	1	2	5	3	4	1	2	3	4	5	6					
Product Name	Clone	React	395 nm	496 nm	661 nm	737 nm	805 nm	421 nm	448 nm	500 nm	510 nm	602 nm	650 nm	711 nm	786 nm	BD Horizon BUV395	BD Horizon BUV496	BD Horizon BUV661	BD Horizon BUV737	BD Horizon BUV805	BD Horizon BV421	BD Horizon V450	BD Horizon V500	BD Horizon BV510	BD Horizon BV605	BD Horizon BV650	BD Horizon BV711	BD Horizon BV786	
DO-11.10 Clonotypic TCR	KJ1-26	Ms	+																										
Early B Lineage	AA4.1	Ms		+																									
F4/80 Receptor	6F12	Ms			+																								
FR4	12A5	Ms	+																										
	TH6	Ms	+																										
GITR	DTA-1	Ms	+																										
GITR Ligand	MIH44	Ms																											
H-2D ^b	KH95	Ms	+	+	+	+	+	+																					
H-2D ^d	34-2-12	Ms	+	+	+	+	+	+																					
	34-5-8S	Ms	+	+	+	+	+	+																					
H-2D ^k	15-5-5	Ms	+	+	+	+	+	+																					
H-2K ^b	AF6-88.5	Ms	+	+	+	+	+	+																					
H-2K ^b /H-2D ^b	28-8-6	Ms	+	+	+	+	+	+																					
H-2K ^d	SF1-1.1	Ms	+	+	+	+	+	+																					
H-2K ^k	36-7-5	Ms	+	+	+	+	+	+																					
	AF3-12.1	Ms	+	+	+	+	+	+																					
H-2K ^q	KH114	Ms	+	+	+	+	+	+																					
H-2K ^s	KH49	Ms	+	+	+	+	+	+																					
I-A/I-E	2G9	Ms		+	+																								
	M5/114.15.2	Ms		+	+																								

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Surface Markers	Blue Laser (488 nm)									Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)						Biotin
	1			2	3	4			5	1	2	3	4	1		2		3		
	515 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	704 nm	719 nm	785 nm	785 nm	
Product Name	BD Horizon BB515	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	BD Horizon APC-R700	Alexa Fluor® 700	APC-Cy7	BD APC-H7	
DO-11.10 Clonotypic TCR				551772						551772										
Early B Lineage	564700	559156 561990		558039	563805					558039	563805									
F4/80 Receptor			564227	563899						563899					564226					
FR4				560320						560320				560318						
				560324						560324				560319						
GITR		558139		558119				558140		558119			558140							
GITR Ligand				563541						563541					563542					
H-2D ^b		553573 562000		553574						553574									553572	
H-2D ^d		553579 562001		553580						553580									553578	
				558917						558917										
H-2D ^k		553585																		
H-2K ^b		553569 562002		561072 553570				562831		561072 553570					562832				553568	
H-2K ^b /H-2D ^b																			553576	
H-2K ^d		553565 562003		562004 553566						562004 553566									553564	
H-2K ^k		553592 562005		553593						553593									553591	
		553554																		
H-2K ^q		553597																		
H-2K ^s		558841																		
I-A/I-E		553623 562009		562010 558593						562010 558593									553622	
			562352	557000				562363		557000					562367					

Bold catalog numbers denote that the product is a small size (25–30 tests or 25 µg).

* RUO (GMP) status reagents

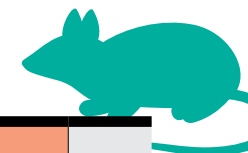
† Denotes multiple reactivities. To view all reactivities, please find the technical data sheet online at bdbiosciences.com.

‡ Denotes that the product is a large size (250 or 500 tests)

BD Multicolor Antibody Reagents Catalog **Mouse Antibody Reagents**

Surface Markers			Emission Max											UV Laser (355 nm)					Violet Laser (405 nm)							
			T Cell	B Cell	Dendritic Cell	NK Cell	Macrophage/Monocyte	Granulocyte	Platelet	Erythrocyte	Endothelial Cell	Epithelial Cell	Stem Cell/Precursor	1	2	5	3	4	1	2	3	4	5	6		
Product Name	Clone	React												395 nm	496 nm	661 nm	737 nm	805 nm	421 nm	448 nm	500 nm	510 nm	602 nm	650 nm	711 nm	786 nm
			BD Horizon BUV395	BD Horizon BUV496	BD Horizon BUV661	BD Horizon BUV737	BD Horizon BUV805	BD Horizon BV421	BD Horizon V450	BD Horizon V500	BD Horizon BV510	BD Horizon BV605	BD Horizon BV650	BD Horizon BV711	BD Horizon BV786											
I-A ^b	AF6-120.1	Ms	+	+	+												562928									
I-A ^b (A _β ^b)	25-9-17	Ms	+	+	+																					
I-A ^d	39-10-8	Ms	+	+	+																					
	AMS-32.1	Ms	+	+	+																					
I-A ^k (A _α ^k)	11-5.2	Ms	+	+	+																					
I-A ^k (A _β ^k)	10-3.6	Ms	+	+	+																					
I-A ^p	7-16.17	Ms	+	+	+																					
I-E ^k	17-3-3	Ms	+	+	+																					
	14-4-4S	Ms [†]	+	+	+																					
Ig (affinity-purified)	Polyclonal	Ms	+																							
Ig, κ light chain	187.1	Ms	+														562888	561354								
	X36	Ms	+																							
IgA	C10-3	Ms	+																							
IgD	11-26c.2a	Ms	+										564274				560869		563110	563003			564275	563618		
IgD ^a (Igh-5a, Igh-5.4)	AMS 9.1	Ms	+																							
IgD ^b (Igh-5b)	217-170	Ms	+																							
IgE	R35-72	Ms	+														564207		563097			564208			564206	
IgG & IgM (human adsorbed)	Polyclonal	Ms	+																							
IgG ₁	A85-1	Ms	+														562580	562107				563285				
	X56	Ms	+																							

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Surface Markers	Blue Laser (488 nm)									Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)						Biotin
	1			2	3	4			5	1	2	3	4	1		2		3		
	515 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	704 nm	719 nm	785 nm	785 nm	
Product Name	BD Horizon BB515	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	BD Horizon APC-R700	Alexa Fluor® 700	APC-Cy7	BD APC-H7	
I-A ^b		553551 562011		562012 553552	562824					562012 553552	562824			562823						553550
I-A ^b (A _β ^b)		553605																		553604
I-A ^d		553610																		553609
		553547 562013		553548						553548										553546
I-A ^k (A _α ^k)		553536		553537						553537										558794
I-A ^k (A _β ^k)		553540 562014																		553539
I-A ^p		558921																		
I-E ^k		558846																		558845
		553543 562015		553544						553544										558735
Ig (affinity-purified)		349031*																		
Ig, κ light chain		550003		561021 559940	562476			560668	560667	562021 559940	562476		560667					561351	561353	559750
				349073*						349073*										
IgA		559354																		
IgD		553439 562022		558597				564273		558597				560868						
IgD ^a (Igh-5a, Igh-5.4)		553507																		553506
IgD ^b (Igh-5b)		553510		553511						553511										553509
IgE		553415																		553414
IgG & IgM (human adsorbed)		555988																		
IgG ₁		562026 553443		562027 550083	562559					562027 550083	562559			560089						553441
				340270*				340272*		340270*				550874						

Bold catalog numbers denote that the product is a small size (25–30 tests or 25 µg).

* RUO (GMP) status reagents

† Denotes multiple reactivities. To view all reactivities, please find the technical data sheet online at bdbiosciences.com.

‡ Denotes that the product is a large size (250 or 500 tests)

BD Multicolor Antibody Reagents Catalog **Mouse** Antibody Reagents

Surface Markers			Emission Max											UV Laser (355 nm)					Violet Laser (405 nm)										
			T Cell	B Cell	Dendritic Cell	NK Cell	Macrophage/Monocyte	Granulocyte	Platelet	Erythrocyte	Endothelial Cell	Epithelial Cell	Stem Cell/Precursor	1	2	5	3	4	1	2	3	4	5	6					
Product Name	Clone	React	395 nm	496 nm	661 nm	737 nm	805 nm	421 nm	448 nm	500 nm	510 nm	602 nm	650 nm	711 nm	786 nm	BD Horizon BUV395	BD Horizon BUV496	BD Horizon BUV661	BD Horizon BUV737	BD Horizon BUV805	BD Horizon BV421	BD Horizon V450	BD Horizon V500	BD Horizon BV510	BD Horizon BV605	BD Horizon BV650	BD Horizon BV711	BD Horizon BV786	
IgG _{2a}	R19-15	Ms	+																										
IgG _{2a/2b}	R2-40	Ms	+																										
IgG _{2a+b}	X57	Ms	+																										
IgG _{2a} ^a (Igh-1a)	8.3	Ms	+																										
IgG _{2b}	R12-3	Ms	+																										
IgG ₃	R40-82	Ms	+																										
IgM	II/41	Ms	+																										
	R6-60.2	Ms	+									564025									562595	560575		563118		564027	564026	564028	
IgM ^a (Igh-6a)	DS-1	Ms	+																										
IgM ^b (Igh-6b)	AF6-78	Ms	+																										
IL-21 Receptor (CD360)	4A9	Ms	+	+		+																							
IL-23R	O78-1208	Ms	+		+		+																						
IL-27R	2918	Ms	+	+																									
JAML	4E10	Ms	+					+	+																				
KLRG1	2F1	Ms	+			+															562897	561625							
LAP	TW7-16B4	Ms	+																										
Lineage Cocktail	-	Ms	+	+	+	+	+	+														561301							
LPAM-1 (Integrin α ₄ β ₇ complex)	DATK32	Ms	+	+																	562943								
Ly-6A/E (Sca-1)	D7	Ms	+	+								563990									562729	560653	561229 561228		563288		563992	563991	
	E13-161.7	Ms	+	+																									
Ly-6C	AL-21	Ms	+			+	+	+													562727	560594			563011				

+ Positive[§] – Negative

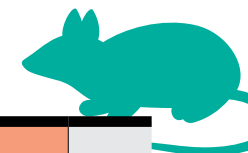
[§]Positive refers to any expression of this specificity either in all cells, a subset, or upon activation. Expression may not be high enough to detect by flow cytometry. Empty cells represent lack of information confirming the expression of the marker within the cell type.

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Clone

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Surface Markers	Blue Laser (488 nm)									Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)						Biotin
	1			2	3	4			5	1	2	3	4	1		2		3		
	515 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	704 nm	719 nm	785 nm	785 nm	
Product Name	BD Horizon BB515	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	BD Horizon APC-R700	Alexa Fluor® 700	APC-Cy7	BD APC-H7	
IgG _{2a}		553390 562028																		553388 550332
IgG _{2a/2b}		553399																		553398
IgG _{2a+b}				340269*			340271*			340269*										
IgG _{2a} ^a (Igh-1a)																				553502
IgG _{2b}		553395																		553393 550333
IgG ₃		553403																		553401
IgM		553437												562032 550676						553436
		562033 553408		553409	562565			562034 550881	552867	562033 553409	562565		552867							
IgM ^a (Igh-6a)		553516		553517						553517										553515
IgM ^b (Igh-6b)		553520		553521						553521										553519
IL-21 Receptor (CD360)				558607						558607										
IL-23R				562497						562497										
IL-27R				564337						564337										
JAML				564218						564218										
KLRG1			561619	561621				563595		561621					561620					550863
LAP				563143						563143										
Lineage Cocktail								561317						558074						
LPAM-1 (Integrin $\alpha_4\beta_7$ complex)				553811	562668					553811	562668			562376						
Ly-6A/E (Sca-1)		562058 557405		562059 553108	562730				561021 558162	562059 553108	562730		561021 558162					560654		557404
		561077 553335		561076 553336						561076 553336										553334
Ly-6C		561085 553104		560592	562728			560525	560593	560592	562728		560593	560595			561237	560596		557359

Bold catalog numbers denote that the product is a small size (25–30 tests or 25 µg).

* RUO (GMP) status reagents

† Denotes multiple reactivities. To view all reactivities, please find the technical data sheet online at bdbiosciences.com.

‡ Denotes that the product is a large size (250 or 500 tests)

BD Multicolor Antibody Reagents Catalog **Mouse Antibody Reagents**

Surface Markers			Emission Max											UV Laser (355 nm)					Violet Laser (405 nm)											
			T Cell	B Cell	Dendritic Cell	NK Cell	Macrophage/Monocyte	Granulocyte	Platelet	Erythrocyte	Endothelial Cell	Epithelial Cell	Stem Cell/Precursor	1	2	5	3	4	1	2	3	4	5	6						
Product Name	Clone	React	395 nm	496 nm	661 nm	737 nm	805 nm	421 nm	448 nm	500 nm	510 nm	602 nm	650 nm	711 nm	786 nm	BD Horizon BUV395	BD Horizon BUV496	BD Horizon BUV661	BD Horizon BUV737	BD Horizon BUV805	BD Horizon BV421	BD Horizon V450	BD Horizon V500	BD Horizon BV510	BD Horizon BV605	BD Horizon BV650	BD Horizon BV711	BD Horizon BV786		
Ly-6d	49-H4	Ms	+	+																										
Ly-6G	1A8	Ms														563978									562737	560603		563005		563979
Ly-6G and Ly-6C (Gr-1)	RB6-8C5	Ms														563849									562709	560454 560453		563040	563299	
Ly-49A ⁸⁶	A1	Ms	+	+	+	+																							561204	
Ly-49C and Ly-49I	5E6	Ms	+			+																								
Ly-49D	4E5	Ms				+																								
Ly-49F	HBF-719	Ms	+			+																								
Ly-49G2 (LGL-1)	4D11	Ms	+			+																								
Ly-49G2 ⁸⁶	Cwy-3	Ms																												
Ly-49H	3D10	Ms				+																								
Ly-49I	YLI-90	Ms				+																								
Ly-51 (6C3/BP-1 antigen)	6C3	Ms		+	+																									
	BP-1	Ms		+	+																									
Ly-108 (CD352)	13G3	Ms	+	+	+	+	+	+																						
Mac-3	M3/84	Ms			+		+																							
MD-1 (Ly-86)	MD14	Ms		+																										
NK-1.1 (NKR-P1B and NKR-P1C)	PK136	Ms	+			+										564144									562921	560524		563096	563220	564143
NKG2A/C/E	20d5	Ms	+			+																						564382		
NK-T/NK Cell Antigen (ICAM-1)	U5A2-13	Ms	+			+																								

+ Positive[§] – Negative

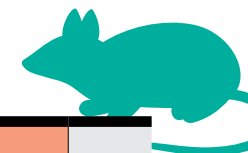
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Visit bdbiosciences.com/colors for the most up-to-date product listings.

100 For Research Use Only. Not for use in diagnostic or therapeutic procedures.

Clone Highlighted clones denote that the clone is available for the Express Custom Conjugation Service.

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Surface Markers	Blue Laser (488 nm)									Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)						Biotin
	1			2	3	4			5	1	2	3	4	1		2		3		
	515 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	704 nm	719 nm	785 nm	785 nm	
Product Name	BD Horizon BB515	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	BD Horizon APC-R700	Alexa Fluor® 700	APC-Cy7	BD APC-H7	
Ly-6d		561148		561149						561149					561147					
Ly-6G		561105 551460		561104 551461	562700			560602	560601	561104 551461	562700		560601	560599			561236	560600		
Ly-6G and Ly-6C (Gr-1)		562060 553126 553127		561084 553128	562710			561103 552093	552985	561084 553128	562710		552985	561083 553129			557979	557661	553124 553125	
Ly-49A ⁸⁶		553677		557424						557424									557423	
Ly-49C and Ly-49I		553276 562055		553277						553277									557418	
Ly-49D		555313 562056																		
Ly-49F				550987						550987									550986	
Ly-49G2 (LGL-1)		555315							560730				560730	555316						
Ly-49G2 ⁸⁶		550580																		
Ly-49H		562536		562206	562519					562206	562519				562207					
Ly-49I				550595						550595										
Ly-51 (6C3/BP-1 antigen)		553160 562057																	553159	
				553735						553735										
Ly-108 (CD352)				561540						561540					561547					
Mac-3		553323 562061		553324				564844		553324					564843					
MD-1 (Ly-86)															558204					
NK-1.1 (NKR-P1B and NKR-P1C)		561082 553164		561046 557391 553165	562864			561111 551114	562062 552878	561046 557391 553165	562864		562062 552878	561117 550627			560515	560618	553163	
NKG2A/C/E		550520 562063						564384						564383					550519	
NK-T/NK Cell Antigen (ICAM-1)				550082						550082										

Bold catalog numbers denote that the product is a small size (25–30 tests or 25 µg).

* RUO (GMP) status reagents

† Denotes multiple reactivities. To view all reactivities, please find the technical data sheet online at bdbiosciences.com.

‡ Denotes that the product is a large size (250 or 500 tests)

BD Multicolor Antibody Reagents Catalog **Mouse** Antibody Reagents

Surface Markers			Emission Max											UV Laser (355 nm)					Violet Laser (405 nm)											
			T Cell	B Cell	Dendritic Cell	NK Cell	Macrophage/Monocyte	Granulocyte	Platelet	Erythrocyte	Endothelial Cell	Epithelial Cell	Stem Cell/Precursor	1	2	5	3	4	1	2	3	4	5	6						
Product Name	Clone	React	395 nm	496 nm	661 nm	737 nm	805 nm	421 nm	448 nm	500 nm	510 nm	602 nm	650 nm	711 nm	786 nm	BD Horizon BUV395	BD Horizon BUV496	BD Horizon BUV661	BD Horizon BUV737	BD Horizon BUV805	BD Horizon BV421	BD Horizon V450	BD Horizon V500	BD Horizon BV510	BD Horizon BV605	BD Horizon BV650	BD Horizon BV711	BD Horizon BV786		
Notch1	22E5.5	Ms	+	+	+	+																								
Notch2	16F11	Ms	+	+																										
PIR-A/B	6C1	Ms		+	+		+																							
RAE-1	CX1	Ms																												
RANKL/TRANCE	IK22-5	Ms	+																											
Siglec-F	E50-2440	Ms																												
Siglec-G	SH1	Ms		+																										
SSEA-1	MC480	Ms																												
SSEA-3	MC631	Ms [†]																												
Streptavidin	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	564176	564666	565081	564293	564923	563259	560797	561419	563261	563260	563855	563262	563858		
Syndecan-4	KY/8.2	Ms	+	+																										
T- and B-Cell Activation Antigen (GL7, Ly-77)	GL7	Ms	+	+																										
TCR β chain	H57-597	Ms	+																											
TCR γδ	GL3	Ms	+																											
TER-119/Erythroid cells (Ly-76)	TER-119	Ms																												
TIM-4	RMT4-54	Ms				+		+																						
	21H12	Ms				+		+																						
TLT-2	MIH47	Ms	+	+	+	+	+	+																						
Vα2 TCR	B20.1	Ms	+																											
Vα3.2 ^{b,c} TCR	RR3-16	Ms	+																											

+ Positive[§] – Negative

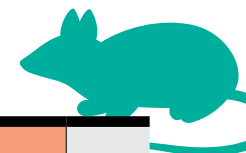
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	1			2	3	4			5	1	2	3	4	1		2		3		
	515 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	704 nm	719 nm	785 nm	785 nm	
Product Name	BD Horizon BB515	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	BD Horizon APC-R700	Alexa Fluor® 700	APC-Cy7	BD APC-H7	
Notch1				562754																
Notch2				562755																
PIR-A/B				550349						550349										
RAE-1				558078						558078										
RANKL/TRANCE				560295						560295					560296					
Siglec-F	564514			562068 552126	562757					552126	562757				562680					
Siglec-G					563337						563337				563336					
SSEA-1		560127		560886 560142	562486					560886 560142	562486				562277 560120					
SSEA-3		560881 560236		560879 560237	562486			561564		560879 560237	562486									
Streptavidin	564453	554060		554061 349023*	562318 562284	554062	554064 340130*	551419	557598	554061 349023*	562318 562284	554062	557598	554067 349024*				554063		
Syndecan-4				550352						550352									550351	
T- and B-Cell Activation Antigen (GL7, Ly-77)		553666 562080		561530						561530					561529					
TCR β chain		562081 553170 553171		561081 553172	562841	553173		560657	560729	561081 553172	562841	553173	560729	561080 553174			560705	560656	553168 553169	
TCR γδ		553177 561996		561997 553178	563532					561997 553178	563532								553176	
TER-119/Erythroid cells (Ly-76)		561032 557915		561071 553673				560512	557853	561071 553673			557853	561033 557909			560508	560509	553672	
TIM-4				564147						564147					564178					
TLT-2															564177					
Vα2 TCR		562085 553288		561078 553289				560529	560624	561078 553289			560624	560622			561239	560623	553287	
Vα3.2 ^{b/c} TCR		553219																	553218	

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BD Multicolor Antibody Reagents Catalog **Mouse Antibody Reagents**

Surface Markers			Emission Max											UV Laser (355 nm)					Violet Laser (405 nm)							
			T Cell	B Cell	Dendritic Cell	NK Cell	Macrophage/Monocyte	Granulocyte	Platelet	Erythrocyte	Endothelial Cell	Epithelial Cell	Stem Cell/Precursor	1	2	5	3	4	1	2	3	4	5	6		
Product Name	Clone	React											395 nm	496 nm	661 nm	737 nm	805 nm	421 nm	448 nm	500 nm	510 nm	602 nm	650 nm	711 nm	786 nm	
													BD Horizon BUV395	BD Horizon BUV496	BD Horizon BUV661	BD Horizon BUV737	BD Horizon BUV805	BD Horizon BV421	BD Horizon V450	BD Horizon V500	BD Horizon BV510	BD Horizon BV605	BD Horizon BV650	BD Horizon BV711	BD Horizon BV786	
Vα8.3 TCR	B21.14	Ms	+																							
	KT50	Ms	+																							
Vβ2 TCR	B20.6	Ms	+																							
Vβ3 TCR	KJ25	Ms	+																							
Vβ4 TCR	KT4	MS	+																							
Vβ5.1, 5.2 TCR	MR9-4	Ms	+																							
Vβ6 TCR	RR4-7	Ms	+																							
Vβ7 TCR	TR310	Ms	+																							
Vβ8 TCR	F23.1	Ms	+																							
Vβ8.1, 8.2 TCR	MR5-2	Ms	+																							
Vβ8.3 TCR	1B3.3	Ms	+																							
Vβ9 TCR	MR10-2	Ms	+																							
Vβ10 ^a TCR	B21.5	Ms	+																							
Vβ11 TCR	RR3-15	Ms	+																							
Vβ11.1, 11.2 ^{b,d} TCR	RR8-1	Ms	+																							
Vβ12 TCR	MR11-1	Ms	+																							
Vβ13 TCR	MR12-3	Ms	+																561539							
Vβ14 TCR	14-2	Ms	+																							
Vβ17 ^a TCR	KJ23	Ms	+																							
Vδ4 TCR	GL2	Ms	+																							
Vδ6.3/2 TCR	8F4H7B7	Ms	+																							
Vγ2 TCR	UC3-10A6	Ms	+																							
Vγ3 TCR	536	Ms	+																							

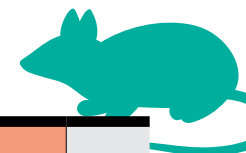
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Surface Markers	Blue Laser (488 nm)									Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)						Biotin
	1			2	3	4			5	1	2	3	4	1		2		3		
	515 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	704 nm	719 nm	785 nm	785 nm	
Product Name	BD Horizon BB515	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	BD Horizon APC-R700	Alexa Fluor® 700	APC-Cy7	BD APC-H7	
Vα8.3 TCR		553376		553377						553377										557096
Vβ2 TCR		553280		553281						553281										553279
Vβ3 TCR		553208		553209						553209										553207
Vβ4 TCR		553365		553366																553364
Vβ5.1, 5.2 TCR		553189 562087		562086 553190						562086 553190										553188
Vβ6 TCR		553193		553194						553194										553192
Vβ7 TCR		553215		553216						553216										
Vβ8 TCR		553861		553862						553862										553860
Vβ8.1, 8.2 TCR		553185		553186						553186										553184
Vβ8.3 TCR		553663		553664						553664										
Vβ9 TCR		553201																		
Vβ10 ^b TCR		553284		553285						553285										
Vβ11 TCR		553197		553198						553198										553196
Vβ11.1, 11.2 ^{b,d} TCR		553222		553223						553223										553221
Vβ12 TCR		553300																		553299
Vβ13 TCR		553204		561541						561541				561542						
Vβ14 TCR		553258																		553257
Vβ17 ^a TCR		553212																		
Vδ4 TCR		552143																		
Vδ6.3/2 TCR				555321						555321										
Vγ2 TCR		553226																		
Vγ3 TCR		553229																		

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BD Multicolor Antibody Reagents Catalog **Mouse** Antibody Reagents

Intracellular Cytokines and Chemokines			Emission Max										UV Laser (355 nm)					Violet Laser (405 nm)										
			T Cell	B Cell	Dendritic Cell	NK Cell	Macrophage/Monocyte	Granulocyte	Platelet	Erythrocyte	Endothelial Cell	Epithelial Cell	Stem Cell/Precursor	1	2	5	3	4	1	2	3	4	5	6				
Product Name	Clone	React	395 nm	496 nm	661 nm	737 nm	805 nm	421 nm	448 nm	500 nm	510 nm	602 nm	650 nm	711 nm	786 nm	BD Horizon BUV395	BD Horizon BUV496	BD Horizon BUV661	BD Horizon BUV737	BD Horizon BUV805	BD Horizon BV421	BD Horizon V450	BD Horizon V500	BD Horizon BV510	BD Horizon BV605	BD Horizon BV650	BD Horizon BV711	BD Horizon BV786
GM-CSF	MP1-22E9	Ms	+																		564747							
IFN-γ	XMG1.2	Ms	+			+															563376	560661				563854	564336	563773
IL-1-α	ALF-161	Ms			+		+																					
IL-2	JES6-5H4	Ms	+																		562969	560546			563911			
IL-3	MP2-8F8	Ms	+			+																						
IL-4	11B11	Ms	+																		562915	560701			564007	564004	564005	564006
	BVD4-1D11	Ms	+																									
IL-5	TRFK5	Ms [†]	+																									
IL-6	MP5-20F3	Ms	+		+			+														561376						
IL-9	D9302C12	Ms	+																									
IL-10	JES5-16E3	Ms	+	+				+													563276	561429		563277	564082	564083	564081	
IL-12 (p40/p70)	C15.6	Ms			+			+														561456						
IL-17A	TC11-18H10	Ms	+																		563354	560522		564168	564169	564170		
IL-17F	O79-289	Ms	+																									
IL-27 p28 (IL-30)	MM27.7B1	Ms			+			+																				
MCP-1	2H5	Ms [†]	+					+																				
TNF	MP6-XT22	Ms	+	+	+	+	+	+													563387	560655		563386		563943	563944	
	TN3-19.12	Ms [†]	+	+	+	+	+	+																				

+ Positive[§] – Negative

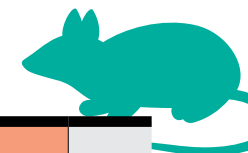
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Intracellular Cytokines and Chemokines	Blue Laser (488 nm)									Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)						Biotin	
	1			2	3		4			5	1	2	3	4	1		2		3		
	515 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	704 nm	719 nm	785 nm	785 nm		
Product Name	BD Horizon BB515	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	BD Horizon APC-R700	Alexa Fluor® 700	APC-Cy7	BD APC-H7		
GM-CSF				554406						554406											
IFN-γ		562019 554411	557724	562020 554412	562333 562303			560660	561040 557649	562020 554412	562333 562303		561040 557649	562018 554413	557735		557998	561479		554410	
IL-1-α				559810						559810											
IL-2		562040 554427	557725	561061 554428	562483			560544	560538	561061 554428	562483		560538	562041 554429			561287	560547		554426	
IL-3				554383						554383											
IL-4			557728	562044 554435	562450			560700	560699	562044 554435	562450		560699	562045 554436	557739						
				554389						554389											
IL-5				562049 554395						562049 554395				562048 554396							
IL-6			561363	562050 554401						562050 554401				561367							
IL-9				561463						561463					561464						
IL-10		562037 554466		561060 554467						561060 554467				561059 554468						554465	
IL-12 (p40/p70)		560564		562038 554479						562038 554479				554480							
IL-17A			560221 560220	561020 559502	562542			561020 560666		561020 559502	562542				560224 560184		560820	560821			
IL-17F			561658 561631	561656 561627	562418			562194		561656 561627	562418				561657 561630						
IL-27 p28 (IL-30)														562792							
MCP-1				554443						554443											
TNF		561064 554418	557719	561063 554419				560659	561041 557644	561063 554419			561041 557644	561062 554420	557730		558000	560658			
				559503						559503											

Bold catalog numbers denote that the product is a small size (25–30 tests or 25 µg).

* RUO (GMP) status reagents

† Denotes multiple reactivities. To view all reactivities, please find the technical data sheet online at bdbiosciences.com.

‡ Denotes that the product is a large size (250 or 500 tests)

BD Multicolor Antibody Reagents Catalog Mouse Antibody Reagents

Intracellular Cell-Signaling and Transcription Factors			Emission Max											UV Laser (355 nm)					Violet Laser (405 nm)						
			T Cell	B Cell	Dendritic Cell	NK Cell	Macrophage/Monocyte	Granulocyte	Platelet	Erythrocyte	Endothelial Cell	Epithelial Cell	Stem Cell/Precursor	1	2	5	3	4	1	2	3	4	5	6	
Product Name	Clone	React											395 nm	496 nm	661 nm	737 nm	805 nm	421 nm	448 nm	500 nm	510 nm	602 nm	650 nm	711 nm	786 nm
													BD Horizon BUV395	BD Horizon BUV496	BD Horizon BUV661	BD Horizon BUV737	BD Horizon BUV805	BD Horizon BV421	BD Horizon V450	BD Horizon V500	BD Horizon BV510	BD Horizon BV605	BD Horizon BV650	BD Horizon BV711	BD Horizon BV786
CD140b (pY771) (PDGF receptor β)	J23-1044	Ms																							
CD140b (pY857) (PDGF receptor β)	J24-618	Ms [†]																							
CD140b (pY1009) (PDGF receptor β)	J25-650	Ms [†]																							
CD140b (pY1021) (PDGF receptor β)	J105-412	Ms [†]																							
Aiolos	S48-791	Ms	+	+		+																			
AKT (pS473)	M89-61	Ms [†]	+	+		+	+	+		+	+	+						562599							
AKT (pT308)	J1-223.371	Ms [†]	+	+		+	+	+		+	+	+													
BATF	S39-1060	Ms [†]	+	+																					
Bcl-2	3F11	Ms	+																						
Bcl-6	K112-91	Ms [†]	+	+														563363	562204						
Blimp-1	5E7	Ms	+	+		+												564270							
	6D3	Ms [†]	+	+	+	+	+																		
BLNK (pY84)	J117-1278	Ms [†]	+																						
BLNK (SLP-65, BASH, BCA)	2B11	Ms [†]	+																						
BrdU	3D4	Ms																	560810		563445				
Btk (pY223) & Itk (pY180)	N35-86	Ms [†]	+	+														564848							
Cardiac Troponin T	13-11	Ms [†]																							
Caspase-3, Active Form (CPP32)	C92-605	Ms [†]											564095						560627			564094	564096		
	Polyclonal	Ms [†]																							
c-Cbl (pY700)	47/c-Cbl	Ms [†]	+																						
Cyclin B1 (a.a 1-21)	GNS-1	Ms [†]	+																						
eNOS	33/eNOS	Ms [†]									+														
ERK1/2 (pT202/pY204)	20A	Ms [†]	+	+		+	+	+										562981							

+ Positive[§] – Negative

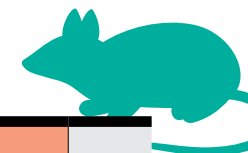
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Intracellular Cell-Signaling and Transcription Factors	Blue Laser (488 nm)									Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)						Biotin
	1			2	3	4			5	1	2	3	4	1		2		3		
	515 nm	519 nm	Alexa Fluor® 488	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	704 nm	719 nm	785 nm	785 nm	
Product Name	BD Horizon BB515	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	BD Horizon APC-R700	Alexa Fluor® 700	APC-Cy7	BD APC-H7	
CD140b (pY771) (PDGF receptor β)			558424	558426						558426					558425					
CD140b (pY857) (PDGF receptor β)			558427	558429						558429					558428					
CD140b (pY1009) (PDGF receptor β)				558322						558322					558323					
CD140b (pY1021) (PDGF receptor β)			558419	558417						558417					558418					
Aiolos				564874						564874										
AKT (pS473)					562465						562465									
AKT (pT308)				558275						558275										
BATF				564503						564503										
Bcl-2		554221		556537						556537										
Bcl-6			561524	561522				562198	563582	561522			563582		561525			563581		
Blimp-1				564268	564269					564268	564269				563643					
				564702						564702										
BLNK (pY84)			558444	558442						558442					558443					
BLNK (SLP-65, BASH, BCA)			558693	558688						558688					558692					
BrdU		556028		556029			560808	560809		556029										
Btk (pY223) & Itk (pY180)			564847	562753											564846					
Cardiac Troponin T				564767						564767										
Caspase-3, Active Form (CPP32)		560901		550821						550821					560626				550557	
		559341		557091						557091									557038	
c-Cbl (pY700)			558101	558087						558087					558100					
Cyclin B1 (a.a 1-21)		554108		550783						550783										
eNOS				560103						560103					560102					
ERK1/2 (pT202/pY204)			612592	612566 561991†	562644			560115	560116	612566 561991†	562644		560116		612593					

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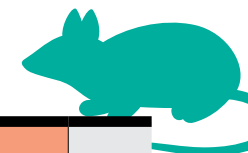
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Intracellular Cell-Signaling and Transcription Factors			Emission Max											UV Laser (355 nm)					Violet Laser (405 nm)										
			T Cell	B Cell	Dendritic Cell	NK Cell	Macrophage/Monocyte	Granulocyte	Platelet	Erythrocyte	Endothelial Cell	Epithelial Cell	Stem Cell/Precursor	1	2	5	3	4	1	2	3	4	5	6					
Product Name	Clone	React	395 nm	496 nm	661 nm	737 nm	805 nm	421 nm	448 nm	500 nm	510 nm	602 nm	650 nm	711 nm	786 nm	BD Horizon BUV395	BD Horizon BUV496	BD Horizon BUV661	BD Horizon BUV737	BD Horizon BUV805	BD Horizon BV421	BD Horizon V450	BD Horizon V500	BD Horizon BV510	BD Horizon BV605	BD Horizon BV650	BD Horizon BV711	BD Horizon BV786	
ERK2	G263-7	Ms [†]	+	+		+	+	+																					
Fibronectin	10/Fibronectin	Ms [†]																											
Flk-1 (VEGF-R2, Ly-73)	Avas 12 α 1	Ms																			562941	561256							
FoxP1	JC12	Ms [†]	+			+	+	+																					
FoxP2	FOXP2-P73A/8	Ms [†]																											
Foxp3	MF23	Ms	+																		562996	561293							
	R16-715	Ms	+																										
GATA3	L50-823	Ms	+			+															563349								
GATA4	L97-56	Ms [†]																											
GILT	MaP.GILT6	Ms	+	+	+	+	+																						
H2AX (pS139)	N1-431	Ms																			564720								
Helios	22F6	Ms [†]	+																										
Histone H3 (pS28)	HTA28	Ms [†]	+																			560606							
ID3	S30-778	Ms [†]	+	+	+		+																						
JNK (pT183/pY185)	N9-66	Ms [†]	+																										
Ki-67	B56	Ms [†]	+	+	+	+	+	+													562899	561281							
Lck	MOL 171	Ms [†]	+	+		+																							
MAPKAPK-2 (pT334)	P24-694	Ms [†]	+	+																									
MEK1	25/MEK1	Ms [†]																											
Myogenin	F5D	Ms [†]																											
Myosin Heavy Chain	MF20	Ms [†]	+	+	+	+	+	+																					
Nanog	M55-312	Ms																											
NeuroD1	R8-294	Ms [†]																											
Nkx2.2	74.5A5	Ms [†]																											

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Intracellular Cell-Signaling and Transcription Factors	Blue Laser (488 nm)									Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)						Biotin
	1			2	3	4			5	1	2	3	4	1		2		3		
	515 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	704 nm	719 nm	785 nm	785 nm	
Product Name	BD Horizon BB515	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	BD Horizon APC-R700	Alexa Fluor® 700	APC-Cy7	BD APC-H7	
ERK2			558525	558530						558530					558526					
Fibronectin			563100												563098					
Flk-1 (VEGF-R2, Ly-73)		560680		561052 555308				560681	561259	561052 555308			561259	561993 560070				561252		
FoxP1				564216						564216										
FoxP2															564463					
Foxp3			560407 560403	560414 560408	562466					560414 560408	562466				560402 560401					
			563487	563101				563902		563101					563486					
GATA3					563510						563510									
GATA4			560330	560328						560328					560400					
GILT				564875						564875										
H2AX (pS139)					564719			564718			564719									
Helios			563950	563801						563801					563951					
Histone H3 (pS28)															558217					
ID3				564564						564564										
JNK (pT183/pY185)				562480						562480					562481					
Ki-67		556026		556027				561284	561283	556027			561283		561126		561277			
Lck			558504	558496						558496					558505					
MAPKAPK-2 (pT334)			562471	562470						562470					562472					
MEK1				560099						560099					560101					
Myogenin				563120						563120										
Myosin Heavy Chain				564408						564408										
Nanog			560278	560277						560277					560279					
NeuroD1				563001						563001					563566					
Nkx2.2				564730						564730					564729					

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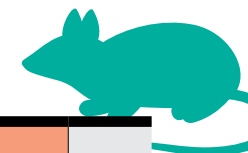
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Product Name	Clone	React											395 nm	496 nm	661 nm	737 nm	805 nm	421 nm	448 nm	500 nm	510 nm	602 nm	650 nm	711 nm	786 nm	
													BD Horizon BUV395	BD Horizon BUV496	BD Horizon BUV661	BD Horizon BUV737	BD Horizon BUV805	BD Horizon BV421	BD Horizon V450	BD Horizon V500	BD Horizon BV510	BD Horizon BV605	BD Horizon BV650	BD Horizon BV711	BD Horizon BV786	
Nkx-6.1	R11-560	Ms [†]																								
Notch1	mN1A	Ms [†]	+																							
Nucleostemin	P22-1125	Ms [†]																								
Oct-2	9A2	Ms [†]	+	+	+			+										563196								
Oct3/4	40/Oct-3	Ms [†]																			563524					
p38 MAPK (pT180/pY182)	36/p38 (pT180/pY182)	Ms [†]	+																							
p53	G59-12	Ms [†]																								
PARP, Cleaved Form (Asp 214)	F21-852	Ms [†]																564129								
Pax5	1H9	Ms [†]		+														563190			563191					
PDX-1	658A5	Ms [†]																								
Phosphotyrosine	PY20	Ms [†]																								
PKCα(pT497)	K14-984	Ms [†]	+																							
PLC-γ2	K86-1161	Ms [†]		+		+																				
PTF1A	S26-763	Ms [†]																								
Rb (a.a. 332-344)	G3-245	Ms [†]	+	+	+	+	+	+																		
Rb, underphosphorylated (a.a. 514-610)	G99-549	Ms [†]	+	+	+	+	+	+			+	+	+													
Ronin/THAP11	P56-507	Ms [†]																								
RORγt	Q31-378	Ms	+															562894						564722		564723
RUNX3	R3-5G4	Ms [†]	+	+	+	+	+	+																		
S6 (pS244)	N5-676	Ms [†]	+																							
Smad2 (pS465/pS467)/Smad3 (pS423/pS425)	O72-670	Ms [†]	+	+																						
SNAI2/Slug	S43-1259	Ms [†]																								

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Nkx-6.1				563023						563023					563338					
Notch1				552768						552768										
Nucleostemin				562750																
Oct-2				562838	563471					562838	563471				563472					
Oct3/4			560253	560186						560186					560329					
p38 MAPK (pT180/pY182)			612594	612565 562065†	563569			560406	560241	612565 562065†	563569		560241		612595 562066†					
p53		557026		557027						557027										
PARP, Cleaved Form (Asp 214)		558576		552933	564130					552933					558710		560640			
Pax5			562816	562688	562815						562815				562814					
PDX-1			562274	562161				563436		562161					562265					
Phosphotyrosine				558008						558008										
PKCα (pT497)			560139	560141						560141					560140					
PLC-γ2			560135	560134						560134					560136					
PTF1A															564750					
Rb (a.a. 332-344)		556538																		
Rb, underphosphorylated (a.a. 514-610)		550501		550502						550502										
Ronin/THAP11				562549						562549										
RORγt				562607	562684			562683		562607	562684				562682					
RUNX3				564814						564814										
S6 (pS244)				560462						560462					560465					
Smad2 (pS465/pS467)/ Smad3 (pS423/pS425)				562586	562697					562586	562697									
SNAI2/Slug				564615						564615										

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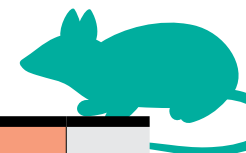
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Intracellular Cell-Signaling and Transcription Factors			Emission Max											UV Laser (355 nm)					Violet Laser (405 nm)						
			T Cell	B Cell	Dendritic Cell	NK Cell	Macrophage/Monocyte	Granulocyte	Platelet	Erythrocyte	Endothelial Cell	Epithelial Cell	Stem Cell/Precursor	BD Horizon BUV395	BD Horizon BUV496	BD Horizon BUV661	BD Horizon BUV737	BD Horizon BUV805	BD Horizon BV421	BD Horizon V450	BD Horizon V500	BD Horizon BV510	BD Horizon BV605	BD Horizon BV650	BD Horizon BV711
Product Name	Clone	React											1	2	5	3	4	1	2	3	4	5	6		
			395 nm	496 nm	661 nm	737 nm	805 nm	421 nm	448 nm	500 nm	510 nm	602 nm	650 nm	711 nm	786 nm										
Sox2	245610	Ms [†]																							
	038-678	Ms [†]																							
Stat1 (pY701)	4a	Ms [†]	+	+		+	+											562985							
Stat3 (pY705)	4/P-STAT3	Ms [†]	+	+		+	+																		
Stat4 (pY693)	38/p-Stat4	Ms [†]	+			+																			
Stat5 (pY694)	47	Ms [†]	+	+		+	+																		
Stat6 (pY641)	J71-773.58.11	Ms	+	+		+	+																		
Syk (pY348)	I120-722	Ms [†]	+																						
T-Bet	04-46	Ms [†]	+			+	+											563318	561312				564142	563320	564141
	4B10	Ms [†]	+			+	+																		
TCF-7/TCF-1	S33-966	Ms [†]	+																						
XBP-1S	Q3-695	Ms [†]		+														563382							
Zap-70 (pY319)/Syk (pY352)	17a/P-ZAP70	Ms [†]	+																						

Clone Highlighted clones denote that the clone is available for the Express Custom Conjugation Service.

+ Positive[§] – Negative
[§]Positive refers to any expression of this specificity either in all cells, a subset, or upon activation. Expression may not be high enough to detect by flow cytometry. Empty cells represent lack of information confirming the expression of the marker within the cell type.

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Intracellular Cell-Signaling and Transcription Factors	Blue Laser (488 nm)									Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)						Biotin
	1			2	3	4			5	1	2	3	4	1		2		3		
	515 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	704 nm	719 nm	785 nm	785 nm	
Product Name	BD Horizon BB515	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	BD Horizon APC-R700	Alexa Fluor® 700	APC-Cy7	BD APC-H7	
Sox2			560301 560292	560291						560291					560302					
								561506												
Stat1 (pY701)			612596	612564 562069†	562674			560113		612564 562069†	562674				612597 562070†					
Stat3 (pY705)			557814	612569 562072‡	562673			560114		612569 562072‡	562673				557815 562071‡					
Stat4 (pY693)			558136	558249 562073‡				561217		558249 562073‡					558137 562074‡					
Stat5 (pY694)			612598	612567 562077‡	562501			560118	560117	612567 562077‡	562501		560117		612599 562076‡					
Stat6 (pY641)			558243	558252						558252					558242					
Syk (pY348)			560081	558529						558529										
T-Bet			561266	561268	562467			561316		561268	562467				561267					
				561265						561265					561264					
TCF-7/TCF-1				564217						564217										
XBP-1S				562642	562820					562642	562820				562821					
Zap-70 (pY319)/Syk (pY352)			557818	557881				561459	561458	557881			561458		557817					

Bold catalog numbers denote that the product is a small size (25–30 tests or 25 µg).

* RUO (GMP) status reagents

† Denotes multiple reactivities. To view all reactivities, please find the technical data sheet online at bdbiosciences.com.

‡ Denotes that the product is a large size (250 or 500 tests)



Hippocampus denise, or Denise's Pygmy Seahorse is one of the most difficult fish to spot among the gorgonian coral reefs of the Pacific Ocean where it dwells. Tiny and only growing to a little more than a ½ inch, the seahorse uses expert mimicry including body shape, color and texture to blend in, while its solitary and near motionless behavior further obscures it from view.

Contents



Human Antibody Reagents

Surface Markers	6 – 49
Intracellular Cytokines and Chemokines	50 – 55
Intracellular Cell-Signaling and Transcription Factors	56 – 73



Mouse Antibody Reagents

Surface Markers	76 – 105
Intracellular Cytokines and Chemokines	106 – 107
Intracellular Cell-Signaling and Transcription Factors	108 – 115



Non-Human Primate Antibody Reagents

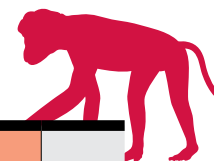
Surface Markers	118 – 127
Intracellular Cytokines and Chemokines	128 – 129
Intracellular Cell-Signaling and Transcription Factors	130 – 131

BD Multicolor Antibody Reagents Catalog **Non-Human Primate** Antibody Reagents

Surface Markers			Emission Max											UV Laser (355 nm)					Violet Laser (405 nm)										
			T Cell	B Cell	Dendritic Cell	NK Cell	Macrophage/Monocyte	Granulocyte	Platelet	Erythrocyte	Endothelial Cell	Epithelial Cell	Stem Cell/Precursor	1	2	5	3	4	1	2	3	4	5	6					
Product Name	Clone	React	395 nm	496 nm	661 nm	737 nm	805 nm	421 nm	448 nm	500 nm	510 nm	602 nm	650 nm	711 nm	786 nm	BD Horizon BUV395	BD Horizon BUV496	BD Horizon BUV661	BD Horizon BUV737	BD Horizon BUV805	BD Horizon BV421	BD Horizon V450	BD Horizon V500	BD Horizon BV510	BD Horizon BV605	BD Horizon BV650	BD Horizon BV711	BD Horizon BV786	
CD2	RPA-2.10	NHP	+	+	+	-	-	-													562667 [†] 562639 [†]								
CD3	SP34	NHP	+	-	-	-	-	-	-	-	-	-	-	-	-														
	SP34-2	NHP	+	-	-	-	-	-	-	-	-	-	-	-	-	564117						562877	560352 560351	560772 560770		562994	563916	563917	563918
CD4	L200	NHP	+	-	-	+	+	-	-	-	-	-	-	-	564107							562842	560811	561488	563094	562843	563737	563913	563914
	M-T477	NHP	+	-	-	+	+	-	-	-	-	-	-	-															
CD6	M-T605	NHP	+	+																									
CD8	RPA-T8	NHP																											
	SK1	NHP																											
CD9	M-L13	NHP	+	+			+	+	+																				
CD10	HI10a	NHP	-		-	+	-	-	-																				
CD11a (LFA-1)	HI111	NHP	+	+		+	+																						
CD11b/Mac-1 (CR3)	ICRF44	NHP	+	+	+	+	+																						
CD11c (ITGAX, CD11C integrin α ^x chain)	S-HCL-3	NHP	+	+	+	+	+																						
CD14	M5E2	NHP	-	-		-	+	+																					
CD16	3G8	NHP	+	-	+	+	+	+	-	-																			
CD18 (Integrin β2 chain, CR3/CR4)	6.7	NHP	+	+	+	+	+	+	-	-																			
CD20	2H7	NHP	+	+	-	-	-	-	-	-																			

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Surface Markers	Blue Laser (488 nm)									Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)						Biotin
	1			2	3	4			5	1	2	3	4	1		2		3		
	515 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	704 nm	719 nm	785 nm	785 nm	
Product Name	BD Horizon BB515	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	BD Horizon APC-R700	Alexa Fluor® 700	APC-Cy7	BD APC-H7	
CD2		556608		561760 [†] 555327	562319 [†] 562300 [†]	555328		560643		561760 [†] 555327	561319 [†] 562300 [†]	555328		560642						555325
CD3		556611		556612						556612										
			557705	552127	562406		552851	552852	557749	552127	562406		557749	557597			561805 557917	557757		
CD4		550628		550630	562402		550631	552838	560644	550630	562402		560644	551980			560836		560837	
		556615		556616						556616										
CD6		555357		555358						555358										
CD8		557085	557704	557086	562311 [†] 562282	561159 [†] 555368		560662	557750	557086	562311 [†] 562282 [†]	561951 [†] 555368	557750	561421	557708		561453	557760		555365
CD9		341646* 555371		341647* 555372				341649* 561329		341647* 555372				341648*						
CD10		340925*		557143		561676 [†] 555376			341092*	557143		561676 [†] 555376	341092*	340923*						
CD11a (LFA-1)		555383		550851		551131			561387	550851			561387	550852						
CD11b/Mac-1 (CR3)			561687 [†] 557701	557321	562399	561686 [†] 555389			561685 [†] 557743	557321	562399	561686 [†] 555389	561685 [†] 557743	561015 550019			557918	560914 557754		555387
CD11c (ITGAX, CD11C integrin α ^x chain)				347637*						347637*				340544*						
CD14		557153	561706 [†] 557700	557154				561116 550787	561385	557154			561385	561383			561029 557923		561384	
CD16		556618		556619	562320 [†] 562293 [†]	561725 [†] 555408		560717	560716	556619	562320 [†] 562293 [†]	561725 [†] 555408 [†]	560716	561248	561724 [†] 557710		557920	561726 [†] 557758	560715	554405
CD18 (Integrin β2 chain, CR3/CR4)		557156		555924		557528				555924		557528		551060						
CD20		556632		556633	562550	561761 [†] 555624		560736	560735	556633	562550	561761 [†] 555624	560735	560900 559776			560631		560853	

Bold catalog numbers denote that the product is a small size (25–30 tests or 25 µg).

* RUO (GMP) status reagents

[†] Denotes multiple reactivities. To view all reactivities, please find the technical data sheet online at bdbiosciences.com.

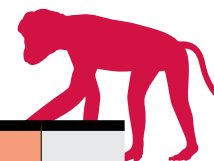
[‡] Denotes that the product is a large size (250 or 500 tests)

BD Multicolor Antibody Reagents Catalog **Non-Human Primate** Antibody Reagents

Surface Markers			Emission Max											UV Laser (355 nm)					Violet Laser (405 nm)										
			T Cell	B Cell	Dendritic Cell	NK Cell	Macrophage/Monocyte	Granulocyte	Platelet	Erythrocyte	Endothelial Cell	Epithelial Cell	Stem Cell/Precursor	1	2	5	3	4	1	2	3	4	5	6					
Product Name	Clone	React	395 nm	496 nm	661 nm	737 nm	805 nm	421 nm	448 nm	500 nm	510 nm	602 nm	650 nm	711 nm	786 nm	BD Horizon BUV395	BD Horizon BUV496	BD Horizon BUV661	BD Horizon BUV737	BD Horizon BUV805	BD Horizon BV421	BD Horizon V450	BD Horizon V500	BD Horizon BV510	BD Horizon BV605	BD Horizon BV650	BD Horizon BV711	BD Horizon BV786	
CD21 (CR2)	B-ly4	NHP	+	+	+	-	-	-	-	-	-	+	+									561395							
CD25 (IL-2 receptor α chain)	M-A251	NHP	+	+	-	+	+	-	-	-	-	-	-	-							562443 [†] 562442 [†]	560356 560355							
CD27	M-T271	NHP	+	+	-	+	-	-	-	-	-	-	-	-								561408	561223 561222						
CD28	CD28.2	NHP	+	-	-	-	-	-	-	-	-	-	-	-								562613	561397						
CD29	MAR4	NHP	+	+	+	+	+	+	+	+	+	+	+	+															
CD30 (Ki-1)	BerH8	NHP	+	+		+	+	-	-	-	+	-	+																
CD31 (PECAM-1)	WM59	NHP	+	+		+	+	+	+	-	+																		
CD32 (FcγRII)	FLI8.26	NHP																											
CD34	563	NHP	-	-	-	-	-	-	-	-	+		+																
CD35 (CR1)	E11	NHP	+	+	+	-	+	+	-	+																			
CD39 (ENTPD1, NTPDase)	TÜ66	NHP	+	+	+	+	+		-		+	+																	
CD40	5C3	NHP	-	+	+	-	+	-		-	+	+	+																
CD41a	HIP8	NHP																				561425							
CD41b	HIP2	NHP																											
CD42a	ALMA.16	NHP	-	-	-	-	-	-	+	-	-	-	+																
CD45	D058-1283	NHP	+	+	+	+	+	+																				564099	
CD45 (Pan leucocyte)	D058-1283	NHP																				561291	561489	563530				564098	563861
CD45RA	5H9	NHP	+	+	+	+	+	-	-	-	-	-	+									561220							
CD47 (IAP)	B6H12	NHP	+	+		+	+	+	+	+	+	+	+																

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Surface Markers	Blue Laser (488 nm)									Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)						Biotin	
	1			2	3		4			5	1	2	3	4	1		2		3		
	515 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	704 nm	719 nm	785 nm	785 nm		
Product Name	BD Horizon BB515	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	BD Horizon APC-R700	Alexa Fluor® 700	APC-Cy7	BD APC-H7		
CD21 (CR2)		561372		561768 555422		551064			561374	561768 [†] 555422		551064	561374	561357							
CD25 (IL-2 receptor α chain)		555431		557138	562403 [†]	555433		560503	561405	557138	562403 [†]	555433	561405	561399			561398	561782 [†] 557753	561402		
CD27		557329		557330	562324 [†] 562297 [†]			560612	560609	557330	562324 [†] 562297 [†]		560609	561400			560611		560223 560222		
CD28		556621		556622	562323 [†] 562296 [†]	561791 [†] 555730		560685	560684	556622	562323 [†] 562296 [†]	561791 [†] 555730	560684	560683					561368 [†]	555727	
CD29				557332		559882				557332		559882		561794 [†] 559883							
CD30 (Ki-1)		555829		550041						550041										555828	
CD31 (PECAM-1)		557508		560983 555446						560983 555446											
CD32 (FcγRII)		555448		550586						550586				559769							
CD34				550619	562449					550619	562449			561209							
CD35 (CR1)		555452		559872						559872											
CD39 (ENTPD1, NTPDase)				555464						555464				560239							
CD40		556624		558835		555590			561215	558835		555590	561215	561848 [†] 555591			561208		561211		
CD41a		557296		557297		559768		340931	561424	557297		559768	561424	561852 [†] 559777					561422		
CD41b		555469																			
CD42a		558818		558819						558819											
CD45																					
CD45 (Pan leucocyte)		557803		552833	562394		558411		561294	552833	562394		561294	561290			561288	558219			
CD45RA		556626		556627		552888			561216	556627		552888	561216	561210					561212		
CD47 (IAP)		556045		556046					561261	556046					561249						

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* RUO (GMP) status reagents

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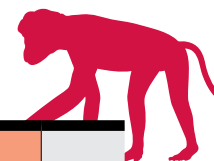
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BD Multicolor Antibody Reagents Catalog **Non-Human Primate** Antibody Reagents

Surface Markers			Emission Max											UV Laser (355 nm)					Violet Laser (405 nm)										
			T Cell	B Cell	Dendritic Cell	NK Cell	Macrophage/Monocyte	Granulocyte	Platelet	Erythrocyte	Endothelial Cell	Epithelial Cell	Stem Cell/Precursor	1	2	5	3	4	1	2	3	4	5	6					
Product Name	Clone	React	395 nm	496 nm	661 nm	737 nm	805 nm	421 nm	448 nm	500 nm	510 nm	602 nm	650 nm	711 nm	786 nm	BD Horizon BUV395	BD Horizon BUV496	BD Horizon BUV661	BD Horizon BUV737	BD Horizon BUV805	BD Horizon BV421	BD Horizon V450	BD Horizon V500	BD Horizon BV510	BD Horizon BV605	BD Horizon BV650	BD Horizon BV711	BD Horizon BV786	
CD49b (Integrin α_2 chain)	12F1	NHP	+	+		+	+	-	+	-	+	+	+								564119								564120
	AK-7	NHP	+	+		+	+	-	+	-	+	+	+																
CD49d (Integrin α_4 chain)	9F10	NHP	+	+	+	+	+	-	-	-	+																		
CD56	MY31	NHP	+			+																							
	B159	NHP	+			+																560361	560360						
CD58 (LFA-3)	1C3	NHP	+	+	+	+	+				+	+	+																
CD59	p282 (H19)	NHP	+			+	+	+		+																			
CD61 (Integrin β_3)	VI-PL2	NHP						+		+		+																	
CD62P (P-selectin)	AC1.2	NHP									+		+																
CD63	H5C6	NHP	+	+	-	+	+	+	+	+	+																		
CD64	10.1	NHP	-	-	+	-	+	+	-	-	-	-	-	-	+							561202							
CD69	FN50	NHP	+	+		+	+	+	+												562883	560740							
CD70	Ki-24	NHP	+	+	-	-	-	-	-	-	-	-	-	-	-														
CD79a (Ig, mb-1)	HM47	NHP	-	+		-	-	-	-	-	-	-	-	-	-						562852								
CD80 (B7-1)	L307.4	NHP	+	+	+	-	+	-	-	-	-	-	-	-	-							560444	560442						
CD81 (TAPA-1)	JS-81	NHP	+	+	+	+	+		-	-	+	+	+	+															

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	1			2	3	4			5	1	2	3	4	1		2		3		
	515 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	704 nm	719 nm	785 nm	785 nm	
Product Name	BD Horizon BB515	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	BD Horizon APC-R700	Alexa Fluor® 700	APC-Cy7	BD APC-H7	
CD49b (Integrin α_2 chain)				555669						555669	564121				564118					
		555498																		
CD49d (Integrin α_4 chain)		560840		556635		559880				556635		559880		561892 [†] 559881						
				556647						556647										
CD56			561905 [†] 557699	561903 [†] 555516	562328 [†] 562289 [†]	561904 [†] 555517		560842	560916 557747	561903 [†] 555516	562328 [†] 562289 [†]	561904 [†] 555517	560916 557747	555518	557711		561902 [†] 557919		555515	
CD58 (LFA-3)		561907 [†] 555920		555921		551399				555921		551399								
CD59		560954 555763		557141						557141										
CD61 (Integrin β_3)		557291		561912 [†] 555754						561912 [†] 555754										
CD62P (P-selectin)		550866		550561						550561										
CD63		550759		557305						557305										
CD64		555527		561926 [†] 558592				561194	561191	561926 [†] 558592			561191	561189			561188		561190	555526
CD69		557049		557050	562645	555532		560738	560712	557050	562645	555532	560712	560711			560739	560912 557756	560737	
CD70		555834		561935 [†] 555835	562484					561935 [†] 555835	562484									
CD79a (Ig, mb-1)				561942 [†] 340579* 555935				341643*		561942 [†] 340579* 555935				340578* 551134						
CD80 (B7-1)		560926 557226		560295 557227		559370			561135	560295 557227		559370	561135				561133		561134	557225
CD81 (TAPA-1)		561956 [†] 551108		561957 [†] 555676						561957 [†] 555676				561958 [†] 551112						

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* RUO (GMP) status reagents

[†] Denotes multiple reactivities. To view all reactivities, please find the technical data sheet online at bdbiosciences.com.

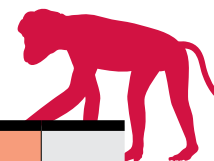
[‡] Denotes that the product is a large size (250 or 500 tests)

BD Multicolor Antibody Reagents Catalog **Non-Human Primate** Antibody Reagents

Surface Markers			Emission Max											UV Laser (355 nm)					Violet Laser (405 nm)									
			T Cell	B Cell	Dendritic Cell	NK Cell	Macrophage/Monocyte	Granulocyte	Platelet	Erythrocyte	Endothelial Cell	Epithelial Cell	Stem Cell/Precursor	1	2	5	3	4	1	2	3	4	5	6				
Product Name	Clone	React	395 nm	496 nm	661 nm	737 nm	805 nm	421 nm	448 nm	500 nm	510 nm	602 nm	650 nm	711 nm	786 nm	BD Horizon BUV395	BD Horizon BUV496	BD Horizon BUV661	BD Horizon BUV737	BD Horizon BUV805	BD Horizon BV421	BD Horizon V450	BD Horizon V500	BD Horizon BV510	BD Horizon BV605	BD Horizon BV650	BD Horizon BV711	BD Horizon BV786
CD83	HB15e	NHP	-	+	+	-	-	-	-	-	-	-	-	-	-						562630							
CD86 (B7-2)	2331 (FUN-1)	NHP	+	+	+	-	+	-	-	-	+	-	-	-							562433 [†]	560359						
CD89	A59	NHP	-	-	-	-	+	+	-	-	-	-	-	-														
CD90 (Thy-1)	5E10	NHP	-	-	-	-	-	-	-	-	+	-	-	+							562556 [†]		563070					
CD95 (Fas/APO-1)	DX2	NHP	+	+	+	+	+	-	-	-	-	-	-	-							562648	561635						
CD98	UM7F8	NHP	+	+	+	+	+	+	-	+	+	-	-	-														
CD122 (IL-2 receptor β chain)	Mikβ2	NHP	+	+	+	+	-	-	-	-	-	-	-	-														
CD123 (IL-3 receptor α chain)	7G3	NHP	-	-	+	-	+	-	-	-	+	-	-	+														
CD130 (gp130)	AM64	NHP	+	+	-	+	+	+	-	+	+	-	-	+														
CD132 (common γ chain)	AG184	NHP	+	+	+	+	+	-	-	-	-	-	-	-														
CD137 (4-1BB)	4B4-1	NHP	+	+	-	+	-	-	-	-	-	-	-	+														
CD141 (Thrombomodulin)	1A4	NHP	-	-	-	+	+	+	+	+	+	+	+	-													563155	
CD150	A12	NHP	+	+	+	-	-	-	-	-	+	-	-	+														
CD151 (PETA-3)	14A2.H1	NHP	-	-	-	-	-	+	+	+	+	+	+	+														
CD152 (CTLA-4)	BNI3	NHP	+	+	-	-	-	-	-	-	-	-	-	-														
CD154 (CD40 ligand)	TRAP1	NHP	+	-	-	-	-	-	-	-	-	-	-	-														
CD162 (PSGL-1)	KPL-1	NHP	+	+	+	+	+	-	-	-	-	-	-	+														
CD166	3A6	NHP	+	+	+	+	-	-	-	-	+	+	-	+														

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Surface Markers	Blue Laser (488 nm)									Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)						Biotin
	1			2	3	4			5	1	2	3	4	1		2		3		
	515 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	704 nm	719 nm	785 nm	785 nm	
Product Name	BD Horizon BB515	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	BD Horizon APC-R700	Alexa Fluor® 700	APC-Cy7	BD APC-H7	
CD83		560553		550634	562631	551058			561132	550634	562631	551058	561132	561960 [†] 551073						
CD86 (B7-2)		557343		557344	562390 [†]	555659		561129	561128	557344	562390 [†]	555569	561128	560956 555660			561124			555656
CD89				555686						555686										
CD90 (Thy-1)		561969 [†] 555595		561970 [†] 555596		561972 [†] 555597		561557	561558	561970 [†] 555596		561972 [†] 555597	561558	561971 [†] 559869						555594
CD95 (Fas/APO-1)	564597 564596	556640		556641	562395	561977 [†] 559773			561636	556641	562395	561977 [†] 559773	561636	561978 [†] 558814						555672
CD98		556076		556077						556077										
CD122 (IL-2 receptor β chain)				557323						557323										
CD123 (IL-3 receptor α chain)		561694 [†] 558663		561058 554529	562391 [†]			560904 558714	560826	561058 554529	562391 [†]		560826	560087						554528
CD130 (gp130)				555757						555757										
CD132 (common γ chain)				561699 [†] 555900						561699 [†] 555900										
CD137 (4-1BB)				561701 [†] 555956		551137				561701 [†] 555956		551137		561702 [†] 550890						
CD141 (Thrombomodulin)				559781						559781										
CD150				559592						559592										
CD151 (PETA-3)				556057						556057										
CD152 (CTLA-4)				557301						557301				560938 555855						
CD154 (CD40 ligand)		558988		557299		561722 [†] 555701				557299		561722 [†] 555701		560955 555702						
CD162 (PSGL-1)				556055						556055										
CD166				560903 559263				562131		560903 559263										

Bold catalog numbers denote that the product is a small size (25–30 tests or 25 µg).

* RUO (GMP) status reagents

[†] Denotes multiple reactivities. To view all reactivities, please find the technical data sheet online at bdbiosciences.com.

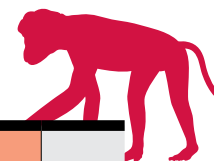
[‡] Denotes that the product is a large size (250 or 500 tests)

BD Multicolor Antibody Reagents Catalog **Non-Human Primate** Antibody Reagents

Surface Markers			Emission Max											UV Laser (355 nm)					Violet Laser (405 nm)											
			T Cell	B Cell	Dendritic Cell	NK Cell	Macrophage/Monocyte	Granulocyte	Platelet	Erythrocyte	Endothelial Cell	Epithelial Cell	Stem Cell/Precursor	1	2	5	3	4	1	2	3	4	5	6						
Product Name	Clone	React	395 nm	496 nm	661 nm	737 nm	805 nm	421 nm	448 nm	500 nm	510 nm	602 nm	650 nm	711 nm	786 nm	BD Horizon BUV395	BD Horizon BUV496	BD Horizon BUV661	BD Horizon BUV737	BD Horizon BUV805	BD Horizon BV421	BD Horizon V450	BD Horizon V500	BD Horizon BV510	BD Horizon BV605	BD Horizon BV650	BD Horizon BV711	BD Horizon BV786		
CD183 (CXCR3)	1C6/CXCR3	NHP	+		+		+																				563156			
CD184 (CXCR4, fusin)	12G5	NHP	+	+	+	-	+	-						+							562448 [§]									
CD195 (CCR5)	3A9	NHP	+	-		-	+	+	-	-	-																			
CD196 (CCR6)	11A9	NHP	+	+	+	-	-	-																						
Annexin V	-	-											564871								563973	560506	561501		563974		563972			
HLA-A,B,C	G46-2.6	NHP																				561346								
HLA-DQ	TÜ169	NHP																												
HLA-DR	TÜ36	NHP																												
	L243 (G46-6)	NHP																				642276* 561359	561225 561224							
HLA-DR, DP, DQ	TÜ39	NHP																				562008 [§] 555558								
Streptavidin	-	-											564176		565081			564923			563259	560797	561419	563261	563260	563855	563262	563858		

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Surface Markers	Blue Laser (488 nm)									Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)						Biotin	
	1			2	3		4			5	1	2	3	4	1		2		3		
	515 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	704 nm	719 nm	785 nm	785 nm		
Product Name	BD Horizon BB515	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	BD Horizon APC-R700	Alexa Fluor® 700	APC-Cy7	BD APC-H7		
CD183 (CXCR3)			561730 [†] 558047	550633	562451 [†]	561731 [†] 551128		560832	560831	550633	562451 [†]	561731 [†] 551128	560831	561324			561320				
CD184 (CXCR4, fusin)				557145		560937 555975		560670	560669	557145		560937 555975	560669	560936 555976							
CD195 (CCR5)				550632				560635		550632				560748							
CD196 (CCR6)				551773				560621	560620	551773			560620	560619	561751 [†] 560466						
Annexin V		560931 566420 556419		560930 556422 556421				561431		560930 556422 556421				561012 550475 550474					556418 556417		
HLA-A,B,C		557348		557349		555554			561349	557349		555554	561349	555555							
HLA-DQ		555563																			
HLA-DR		555560		555561		551375				555561		551375		559868							
		560944 555811		560943 555812	562331 [†] 562304 [†]	562007 [†] 555813	347364*	560652	560651	560943 555812	562331 [†] 562304 [†]	562007 [†] 555813	560651	560744			560743	335796*	641393* 561358		
HLA-DR, DP, DQ		550853																			
Streptavidin	564453	554060		554061 349023*	562318 [†] 562284 [†]	554062	554064 340130*	551419	557598	554061 349023*	562318 [†] 562284 [†]	554062	557598	554067 349024*				554063			

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[‡] Denotes that the product is a large size (250 or 500 tests)

BD Multicolor Antibody Reagents Catalog **Non-Human Primate** Antibody Reagents

Intracellular Cytokines and Chemokines			Emission Max											UV Laser (355 nm)					Violet Laser (405 nm)					
			T Cell	B Cell	Dendritic Cell	NK Cell	Macrophage/Monocyte	Granulocyte	Platelet	Erythrocyte	Endothelial Cell	Epithelial Cell	Stem Cell/Precursor	1	2	5	3	4	1	2	3	4	5	6
Product Name	Clone	React																						
IFN- γ	4S.B3	NHP	+			+																		
	B27	NHP	+			+																		
IL-2	MQ1-17H12	NHP	+																					
IL-4	8D4-8	NHP	+																					
IL-6	MQ2-6A3	NHP	+		+		+																	
MCP-1 (monocyte chemoattractant protein 1)	5D3-F7	NHP	+				+				+	+												
MIP-1 α (macrophage inflammatory protein-1 α)	11A3	NHP	+	+			+	+																
TNF	MAB11	NHP	+	+	+	+	+																	

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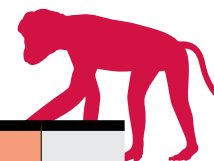
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Clone Highlighted clones denote that the clone is available for the Express Custom Conjugation Service.

+ Positive[§] – Negative

[§]Positive refers to any expression of this specificity either in all cells, a subset, or upon activation. Expression may not be high enough to detect by flow cytometry. Empty cells represent lack of information confirming the expression of the marker within the cell type.

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Intracellular Cytokines and Chemokines	Blue Laser (488 nm)									Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)						Biotin	
	1			2	3		4			5	1	2	3	4	1		2		3		
	515 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	704 nm	719 nm	785 nm	785 nm		
Product Name	BD Horizon BB515	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	BD Horizon APC-R700	Alexa Fluor® 700	APC-Cy7	BD APC-H7		
IFN- γ		552882		557074				560742	560741	557074			560741	551385							
		552887		562016 [†] 554701 559327	562392 [†]		560704		560924 557643	562016 [†] 554701 559327	562392 [†]		560924 557643	562017 [†] 554702	557729		561024 557995				
IL-2		559361		560709				560708	560707	560709			560707	551383							
IL-4			557990	551774				561234	560672	551774			560672	561233							
IL-6		554544		551473						551473											
MCP-1 (monocyte chemoattractant protein 1)				557066						557066											
MIP-1 α (macrophage inflammatory protein-1 α)				554730						554730				551533							
TNF		562082 [†] 554512	557722	562083 [†] 554513 559321				560679	560923 557647	562083 [†] 554513 559321			560923 557647	551384			561023 557996				

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BD Multicolor Antibody Reagents Catalog **Non-Human Primate** Antibody Reagents

Intracellular Cell-Signaling and Transcription Factors			Emission Max											UV Laser (355 nm)					Violet Laser (405 nm)					
			T Cell	B Cell	Dendritic Cell	NK Cell	Macrophage/Monocyte	Granulocyte	Platelet	Erythrocyte	Endothelial Cell	Epithelial Cell	Stem Cell/Precursor	1	2	5	3	4	1	2	3	4	5	6
Product Name	Clone	React																						
FoxP3 (Scurfin, IPEX, JM2)	259D/C7	NHP	+																					
p53	DO-7	NHP																						
Rb (a.a. 332-344)	G3-245	NHP																						

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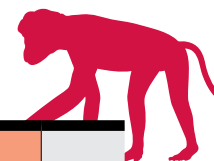
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Intracellular Cell-Signaling and Transcription Factors	Blue Laser (488 nm)									Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)						Biotin
	1			2	3	4			5	1	2	3	4	1		2		3		
	515 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	704 nm	719 nm	785 nm	785 nm	
Product Name	BD Horizon BB515	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	BD Horizon APC-R700	Alexa Fluor® 700	APC-Cy7	BD APC-H7	
FoxP3 (Scurfin, IPEX, JM2)		560047		560082 560046	562421 [†]					560082 560046	562421 [†]				560045					
p53		554298		556534						556534										
Rb (a.a. 332-344)		556538																		

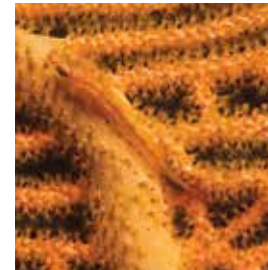
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Fax 61.2.8875.7200
bdbiosciences.com/anz

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Tel 866.979.9408
Fax 888.229.9918
bdbiosciences.com/ca

China
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