



Antibodies to Bovine CD Markers

As a leading supplier of top publication cited veterinary immunology reagents, Bio-Rad provides the widest selection of antibodies raised directly against bovine CD markers. Our antibodies enable investigations into the cattle adaptive and innate immune systems to elucidate the functions of T, B and dendritic cells, and macrophages; continuing our tradition of manufacturing validated reagents to further research into basic immune functions, diagnostics, and vaccine development.

Bovine CD Marker Antibodies

Specificity	Clone	Applications	Catalog Number	Format	T Cell	B Cell	Dendritic Cell	NK Cell	Monocyte/Macrophage
CD1w2	CC13	FC	MCA1646G	Pur.			✓		
CD1w2	CC20	FC, IHC-F, IP	MCA2058G	Pur., RPE, S/N			✓		
CD1w2	CC14	FC, IHC-F, IP	MCA831G	Pur., Ascites			✓		
CD1w3	CC43	FC, IP	MCA1647G	Pur.		✓	✓		✓
CD2	CC42	FC, IHC-F, IHC-P, IP	MCA833G	Pur., FITC	✓			✓	
CD4	CC8	FC, IHC-F, IP	MCA1653GA	Pur., A647, FITC, RPE	✓				
CD4	CC30	FC, IHC-F, IHC-P, IP	MCA834GA	Pur.	✓				
CD5	CC17	FC, IHC-F, IP	MCA835G	Pur.	✓	✓			
CD8	CC63	FC, IF/ICC, IHC-F, IHC-P, IP	MCA837GA	Pur., A647, FITC, RPE		✓		✓	
CD8beta	CC58	FC, IP	MCA1654G	Pur., RPE		✓			
CD11b	CC126	FC, IHC-F, IP	MCA1425GA	Pur., FITC				✓	✓
CD13	CC81	FC	MCA2338	Pur.			✓		
CD14	CC-G33	FC, IF/ICC	MCA2678GA	Pur., FITC					✓
CD21	CC21	FC, IF/ICC, IHC-F, IP	MCA1424GA	Pur., FITC, RPE		✓			
CD21	CC51	FC	MCA5953GA	Pur., FITC, RPE		✓			
CD25	IL-A111	FC, IHC-F, IP	MCA2430GA	Pur., FITC, RPE	✓			✓	
CD26	CC69	FC, IP	MCA1652G	Pur., A647		✓	✓	✓	
CD28	CC219	FC, FN	MCA5779	Pur., FITC, LE, RPE	✓				
CD28	CC220	FC, FN	MCA5778	Pur., LE	✓				
CD32	CCG36	FC, IHC-F	MCA5918GA	Pur., FITC, RPE		✓	✓		✓
CD32	CCG39	FC, IHC-F	MCA5919GA	Pur., FITC		✓	✓		✓
CD40	IL-A156	FC, FN	MCA2431GA	Pur., FITC, RPE		✓			

Bovine and Cross-Reactive Bovine CD Marker Antibodies

Bovine CD Marker Antibodies

Specificity	Clone	Applications	Catalog Number	Format	T Cell	B Cell	Dendritic Cell	NK Cell	Monocyte/Macrophage
CD44	IL-A118	FC	MCA2433F	FITC	✓	✓			✓
CD45	CC1	FC, IHC-F, IP	MCA832GA	Pur., FITC	✓	✓			
CD45RB	CC76	FC, IHC-F, IP	MCA1650G	Pur., FITC	✓				
CD45RO	IL-A116	FC, IP	MCA2434GA	Pur., RPE	✓				✓
CD62L	CC32	FC	MCA1649G	Pur., FITC	✓	✓		✓	✓
CD63	CC25	FC	MCA2042GA	Pur.			✓		✓
CD80	IL-A159	FC	MCA2436GA	Pur., FITC, RPE		✓	✓		✓
CD86	IL-A190	FC	MCA2437GA	Pur., FITC, RPE		✓	✓		✓
CD172a	CC149	FC	MCA2041GA	Pur., RPE-Cy5			✓		✓
CD205	CC98	FC, IHC-F, IP	MCA1651GA	Pur., FITC			✓		
CD205	IL-A114	FC, IHC-F	MCA2450GA	Pur., FITC, RPE			✓		
CD282	12542	FC	HCA151	Pur., A647, FITC			✓		✓
CD282	12538	FC	HCA152	Pur., A647, FITC			✓		✓
CD335	AKS1	FC, FN, IF/ICC, WB	MCA2365GA	Pur., A488, LE, RPE				✓	

Cross-Reactive Bovine CD Marker Antibodies

In addition to antibodies raised directly against bovine antigens, we offer CD marker antibodies that have been qualified as bovine cross-reactive* to enable further investigation of the cattle immune system and complement Bio-Rad's antibodies to native bovine antigens.

Specificity	Clone	Applications	Catalog Number	Format	T Cell	B Cell	Dendritic Cell	NK Cell	Monocyte/Macrophage
CD1	20.27	FC, IF/ICC, IHC-F, IP	MCA2212	Pur., A647		✓	✓		✓
CD3	CD3-12	FC, IF/ICC, IHC-F, IHC-P, WB	MCA1477	Pur., A488, A647, FITC, PB	✓				
CD9	MM2/57	FC, IHC-F, WB	MCA469GA	Pur., A647, B., FITC, RPE	✓	✓			✓
CD14	TÜK4	E, FC, FN, WB	MCA1568GA	Pur., A647, A700, B., LE, FITC, PB, RPE, RPE-A647, RPE-A750					✓
CD14	VPM65	E, IHC-F, FC, IP	MCA920GA	Pur.					✓
CD14	VPM66	E, FC, IP	MCA5939GA	Pur.					✓
CD14	VPM67	E, FC, IP, WB	MCA5940GA	Pur.					✓
CD16	KD1	FC, FN	MCA5665GA	Pur., FITC				✓	✓
CD18	CA1.4E9	FC, IF, IHC-F, IP	MCA1780GA	Pur., A647	✓	✓	✓	✓	✓
CD22	Mc64-12	FC	MCA1380	FITC, RPE		✓			
CD31	CO.3E1D4	FC, IP	MCA1097GA	Pur., FITC	✓	✓			✓

Bovine and Cross-Reactive Bovine CD Marker Antibodies

Specificity	Clone	Applications	Catalog Number	Format	T Cell	B Cell	Dendritic Cell	NK Cell	Monocyte/Macrophage
CD41/ CD61	A10-33/1	IHC-F, WB	4108-7204	Pur.					
CD41/ CD61	CO.35E4	E, FC, IP	MCA1095GA	Pur.					
CD43	CO.44B8	FC	MCA1096GA	Pur.					
CD47	BRIC126	FC, FN, IHC-F, IP, WB	MCA911	Pur.	✓	✓			✓
CD49d	HP2/1	FC, FN, IHC-F, IP	MCA697GA	Pur.	✓	✓	✓		✓
CD61	JM2E5	FC, IHC-F, IHC-P, IP, WB	MCA2263GA	Pur., FITC					✓
CD62P	Psel. KO.2.7	FC, IHC-F, IP	MCA2419	Pur., A488, A647, RPE					
CD68	ED1	FC, IF/ICC, IHC-F, IHC-P, IP	MCA341GA	Pur., A488, A647, A700, B., FITC, RPE					✓
CD77	38-13	FC	MCA579	Pur.		✓			
CD79a	HM57	FC, IHC-F, IHC-P, WB	MCA2538GA	Pur., A647, RPE		✓			
CD88	S5/1	FC, FN, IHC-P, WB	MCA1283	Pur., LE			✓		✓
CD117	104D2	FC	MCA1841	Pur., RPE					
CD119	BB1E2	E, FC, IHC-F, WB	MCA1450	Pur., A488, A647, FITC	✓	✓			✓
CD143	2E2	E, IHC-P, WB	MCA2056	S/N					✓
CD143	3C5	E, IHC-P, WB	MCA2054	S/N					✓
CD144	POLY	FC	AHP628F	FITC					
CD144	POLY	E, FC, FN, IHC-F, WB	AHP628Z	Pres. Fr.					
CD230	5121	E, IHC-P, WB	OBT0873	Pur.	✓	✓	✓	✓	✓
CD230	POLY	E, IHC-P, WB	AHP498	Serum	✓	✓	✓	✓	✓
CD292	1564	E, FN, WB	HCA004	Pur.					
CD335	EC1.1	FC, IHC-F, IHC-P	MCA5933GA	Pur., A488, RPE				✓	

Abbreviations: Axxx = Alexa Fluor®; B., biotin; CT, cytotoxic assay; E, ELISA; FC, flow cytometry; FN, functional assay; IF/ICC, immunofluorescence/immunocytochemistry; IHC-F, immunohistochemistry – frozen; IHC-P, immunohistochemistry – paraffin; IP, immunoprecipitation; LE, low endotoxin; PB, Pacific Blue™; Pres. Fr., Preservative Free; Pur., purified; S/N, supernatant; WB, western blotting.

* This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators.

Our bovine CD marker collection is complemented by early and late cytokines for evaluating disease progression and prognosis.

To browse our entire collection of bovine antibodies and other veterinary resources, visit: bio-rad-antibodies.com/veterinary-antibodies to find out more.

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