



## Antibodies to Porcine CD Markers

As a leading supplier of top publication cited veterinary immunology reagents, Bio-Rad offers the widest selection of antibodies raised directly against porcine CD marker antigens. Our antibodies support in-depth research into the porcine adaptive and innate immune systems; continuing our tradition of manufacturing validated reagents to empower research into basic immune functions, diagnostics, and vaccine development.

### Porcine CD Marker Antibodies

Specificity	Clone	Applications	Catalog Number	Format	T Cell	B Cell	Dendritic Cell	NK Cell	Monocyte/Macrophage
CD2a	MAC83	CT, FC, FN	MCA1156	Ascites	✓	✓			
CD3	PPT3	FC, FN, IHC-F, IP, WB	MCA5951GA	Pur., FITC, LE, RPE	✓				
CD4 Alpha	MIL17	FC, IHC-F	MCA1749GA	Pur., FITC, RPE	✓				
CD5	1H6/8	FC, IP, WB	MCA2307F	FITC	✓	✓			
CD6	MIL8	FC, IHC-F	MCA1221GA	Pur., S/N	✓				
CD8 Alpha	MIL12	FC, IHC-F	MCA1223GA	Pur., FITC, RPE	✓				
CD8 Beta	PPT23	FC	MCA5954GA	Pur., FITC, RPE					
CD11a	BL1H8	FC	MCA2308F	FITC	✓	✓	✓	✓	✓
CD11R1	MIL4	FC, IHC-F, IP	MCA1220GA	Pur.				✓	
CD11R3	2F4/11	FC, IHC-F, IP, WB	MCA2309GA	Pur., FITC					✓
CD14	MIL2	FC, IF/ICC, IHC-F	MCA1218GA	Pur., FITC					✓
CD16	G7	FC, IF/ICC, IP	MCA1971GA	Pur., FITC, RPE				✓	
CD18a	PNK-I	FC, FN, IP	MCA1972GA	Pur., FITC, RPE	✓	✓	✓	✓	✓
CD25	K231.3B2	FC, IHC-F	MCA1736GA	Pur.	✓				
CD27	B30C7	FC	MCA5973GA	Pur., APC, FITC, RPE	✓			✓	
CD31	LCI-4	FC, IF/ICC, IHC-F, IP	MCA1746GA	Pur., APC, B., FITC, RPE	✓	✓	✓	✓	✓
CD31	LCI-9	FC, IHC-F	MCA1747	S/N	✓	✓	✓	✓	✓
CD45	K252.1E4	FC, IF/ICC, IHC-F	MCA1222GA	Pur., A647, FITC	✓	✓	✓	✓	✓
CD45	MAC323	FC, IHC-F, ICH-P, IP, RE	MCA1447	Pur.	✓	✓	✓	✓	✓
CD45RA	MIL13	FC, IHC-F, IHC-P	MCA1751GA	Pur., FITC, RPE	✓	✓			✓
CD45RC	MIL15	FC, IHC-F, IHC-P	MCA1750	S/N	✓	✓			

# Porcine and Cross-Reactive Porcine CD Marker Antibodies

## Porcine CD Marker Antibodies

Specificity	Clone	Applications	Catalog Number	Format	T Cell	B Cell	Dendritic Cell	NK Cell	Monocyte/Macrophage
CD45RC	MIL5	FC, IHC-F	MCA1857	S/N	✓	✓			
CD46	JM6C11	FC	MCA2262	Pur.	✓	✓	✓	✓	✓
CD46	6D8/8	FC, IP, WB	MCA2310	Pur.	✓	✓	✓	✓	✓
CD52	11/305/44	FC, IHC-P	MCA5974GA	Pur., FITC	✓		✓	✓	✓
CD61	JM2E5	FC, IHC-F, IHC-P, IP, WB	MCA2263GA	Pur., FITC			✓		✓
CD107a	4E9/11	FC, IHC-F, IHC-P, IP, WB	MCA2315GA	Pur., A647, FITC					✓
CD117	2B8/BM	FC, IHC-F, IP, WB	MCA2598GA	Pur., A488					
CD144	123	IHC-F, WB	MCA1748GA	Pur.					
CD163	2A10/11	FC, IF/ICC, IHC-F, IP, WB	MCA2311GA	Pur., FITC, RPE					✓
CD169	3B11/11	FC, IHC-F, IP, WB	MCA2316GA	Pur., FITC					✓
CD172a	BL1H7	FC, IHC-F, IHC-P, IP, WB	MCA2312GA	Pur., FITC			✓		
CD203a	PM18-7	FC, IHC-F, IP	MCA1973GA	Pur., FITC					✓
CD335	VIV-KM1	FC, IF	MCA5972GA	Pur., A488, APC				✓	

## Cross-Reactive Porcine CD Marker Antibodies

To further enhance the possible research into the porcine immune system, Bio-Rad's antibody range to native porcine antigens has been extended with CD marker antibodies that have been qualified as porcine cross-reactive\*.

Specificity	Clone	Applications	Catalog Number	Format	T Cell	B Cell	Dendritic Cell	NK Cell	Monocyte/Macrophage
CD1b	MT-101	FC	MCA1315F	FITC		✓	✓		
CD2	RPA-2.10	FC, IHC-F	MCA2814GA	Pur., RPE, RPE-Cy5	✓			✓	
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	✓	✓			✓
CD11b	CA16.3E10	FC, IHC-F, IP	MCA1777S	S/N				✓	✓
CD14	TÜK4	E, FC, FN, WB	MCA1568GA	Pur., A647, A700, B., FITC, LE, PB, RPE, RPE-A647, RPE-A750			✓		✓
CD14	61D3	FC	MCA2804C	RPE-Cy5, RPE-Cy5.5			✓		✓
CD16	KD1	FC, FN	MCA5665GA	Pur., FITC	✓			✓	✓

## Porcine and Cross-reactive Porcine CD Marker Antibodies

Specificity	Clone	Applications	Catalog Number	Format	T Cell	B Cell	Dendritic Cell	NK Cell	Monocyte/Macrophage
CD18	CA1.4E9	FC, IF/ICC, IHC-F, IP	MCA1780GA	Pur., A647	✓	✓	✓	✓	✓
CD21	CC51	FC	MCA5953GA	Pur., FITC, RPE		✓			
CD29	JB1B	E, FC, IHC-F, IP, WB	MCA1189	Ig Fraction	✓	✓	✓	✓	✓
CD32	AT10	FC, FN, IHC-F, IP	MCA1075	Pur., A647, B., FITC, RPE		✓			✓
CD41	MM2/356	FC, IP	MCA468S	S/N					
CD44	IM7	E, FC, IHC-F, IHC-P, IP	MCA4703	Pur.	✓	✓	✓	✓	✓
CD47	BRIC126	FC, FN, IHC-F, IP, WB	MCA911	Pur.	✓	✓	✓	✓	✓
CD49d	HP2/1	FC, FN, IHC-F, IP	MCA697GA	Pur.	✓	✓	✓		✓
CD49f	NKI-GoH3	FC, FN, IHC-F, IP	MCA699GA	Pur., A647, B., FITC, LE, RPE	✓				✓
CD54	15.2	FC, FN, IHC-F, IP	MCA1615GA	Pur., A647, FITC, LE, RPE	✓	✓	✓	✓	✓
CD62E/ CD62P	1.2B6	E, FC, IHC-F, IP, WB	MCA883	Pur., FITC					
CD62P	Psel.KO.2.5	FC, IP	MCA2418	Pur., A488, RPE					
CD75s	LN-1	FC, IHC-F, IHC-P	MCA1481G	Pur.		✓			
CD79a	HM57	FC, IHC-F, IHC-P, WB	MCA2538GA	Pur., A647, RPE		✓			
CD79b	AT107-2	E, FC, IP, WB	MCA2209	Pur., FITC		✓			
CD106	1.G11B1	E, FC, FN, IF/ICC, IHC-F, IP, WB	MCA907	Pur., FITC					✓
CD143	2E2	E, IHC-P, WB	MCA2056	S/N	✓				✓
CD146	OJ79c	E, FC, IHC-F	MCA2141	Pur., A647, FITC, Pres. Fr.					
CD173	BRIC231	FC	MCA1984	Pur.					
CD204	2F8	E, FC, IF/ICC, FN, IHC-F, IP, WB	MCA1322GA	Pur., A488, A647, B., FITC, LE, RPE					✓
CD230	5121	E, IHC-P, WB	OBT0873	Pur.	✓	✓			✓
CD278	C398.4A	FC, IHC-F, IP	MCA4718	Pur.	✓				
CD284	HTA125	FC, IP, WB	MCA2061GA	Pur., A488, A647, B., FITC, LE, 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; RE, Resin; S/N, supernatant; WB, western blotting.

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

To browse our entire range of porcine antibodies, and other available veterinary resources, visit: [bio-rad-antibodies.com/veterinary-antibodies](http://bio-rad-antibodies.com/veterinary-antibodies) to find out more.

**Antibodies to Porcine CD Markers**

As a leading supplier of all publication cited veterinary immunology reagents, Bio-Rad offers the widest selection of antibodies raised directly against porcine CD marker antigens. Our antibodies support in-depth research into the porcine immune and tissue immunity systems, continuing our tradition of manufacturing validated reagents to empower new basic, clinical, diagnostic, and vaccine developers.

**Porcine CD Marker Antibodies**

Antibody	Clone	Application	Format	Isotype	Host	Form	Concentration	Volume	Stability	Other
CD26	CD26-115	Flow Cytometry	Monoclonal	Mouse	Human	1 mg/ml	100 µg	100 µl	12 months	
CD29	CD29-115	Flow Cytometry	Monoclonal	Mouse	Human	1 mg/ml	100 µg	100 µl	12 months	

**VETERINARY**

**Bovine Interferon gamma ELISA Kit**

**50 Tests**

**< 5 hrs**

**BIO-RAD**

**Antibodies to Canine CD Markers**

As a leading supplier of the most cited antibodies for canine immunology research, we provide a comprehensive selection of antibodies raised directly against canine CD marker antigens as shown in the table below. Our anti-canine reagents for rapid, high-throughput testing in the laboratory are prepackaged ready-to-use kit format for improved convenience.

**Canine CD Marker Antibodies**

Antibody	Clone	Application	Format	Isotype	Host	Form	Concentration	Volume	Stability	Other
CD2	CD2-115	Flow Cytometry	Monoclonal	Mouse	Human	1 mg/ml	100 µg	100 µl	12 months	
CD4	CD4-115	Flow Cytometry	Monoclonal	Mouse	Human	1 mg/ml	100 µg	100 µl	12 months	

Visit [bio-rad-antibodies.com/veterinary-antibodies](http://bio-rad-antibodies.com/veterinary-antibodies) for more information.



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