

Datasheet: MCA6150PE

Description:	MOUSE ANTI PIG CD11c:RPE
Specificity:	CD11c
Other names:	CD11
Format:	RPE
Product Type:	Monoclonal Antibody
Clone:	3A8
Isotype:	IgG1
Quantity:	100 TESTS

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry	▪			Neat

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

Target Species	Pig		
Product Form	Purified IgG conjugated to R. Phycoerythrin (RPE) - lyophilized		
Max Ex/Em	Fluorophore	Excitation Max (nm)	Emission Max (nm)
	RPE 488nm laser	496	578
	RPE 561nm laser	546	578
Preparation	Purified IgG prepared by affinity chromatography on Protein A from tissue culture supernatant		
Buffer Solution	Phosphate buffered saline		
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃) 1% Bovine Serum Albumin 5% Sucrose		

Immunogen Pig alveolar macrophages

External Database

Links

UniProt:

[K9IVW2](#)

[Related reagents](#)

Specificity

Mouse anti Pig CD11c, clone 3A8 recognizes CD11c also known as integrin alpha-X.

Porcine CD11c is mainly expressed by blood and skin polymorphonuclear and mononuclear phagocytes as well as monocytes, granulocytes and alveolar and inflammatory macrophages. Porcine CD11c is not expressed by plasmacytoid dendritic cells (pDC).

Mouse anti Pig CD11c, clone 3A8 antibody can be used to distinguish resident from migrating dendritic cells (DC) in lymph nodes; migrated DC express lower levels of surface CD11c and have higher MHC class II expression than resident DC. Both porcine cDC1 and cDC2 subsets express CD11c, with cDC1 appearing to have slightly lower levels than cDC2. Clone 3A8 did not show species cross-reactivity with human CD11c-CD18 transfectants or sheep myeloid cells ([Deloizy et al. 2016](#)).

Flow Cytometry

Use 10ul of the suggested working dilution to label 1×10^6 cells in 100ul

References

1. Álvarez, B. *et al.* (2023) Porcine Macrophage Markers and Populations: An Update. [Cells. 12 \(16\) :2103.](#)

Storage

This product is shipped at ambient temperature.

Store at +4°C. DO NOT FREEZE.

This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

Guarantee

12 months from date of despatch

Health And Safety Information

Material Safety Datasheet documentation #20487 available at: <https://www.bio-rad-antibodies.com/SDS/MCA6150PE>

Regulatory

For research purposes only

Related Products

Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL:RPE \(MCA928PE\)](#)

Product inquiries: www.bio-rad-antibodies.com/technical-support

To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets

'M450378:260313'

Printed on 20 May 2026

