

## Datasheet: MCA6150PE

**BATCH NUMBER 159407**

<b>Description:</b>	MOUSE ANTI PIG CD11c:RPE
<b>Specificity:</b>	CD11c
<b>Format:</b>	RPE
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	3A8
<b>Isotype:</b>	IgG1
<b>Quantity:</b>	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](http://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.

<b>Target Species</b>	Pig
<b>Product Form</b>	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

<b>Preparation</b>	Purified IgG prepared by affinity chromatography on Protein A from tissue culture supernatant
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<b>Buffer Solution</b>	Phosphate buffered saline
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<b>Preservative</b>	0.09% Sodium Azide (NaN <sub>3</sub> )
<b>Stabilisers</b>	1% Bovine Serum Albumin 5% Sucrose

**Immunogen** Pig alveolar macrophages

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**External Database**

**Links**

**UniProt:**

[K9IVW2](#)

[Related reagents](#)

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**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](#)).

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**Flow Cytometry**

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

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**Storage**

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.

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**Guarantee**

12 months from date of despatch

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**Health And Safety Information**

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

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**Regulatory**

For research purposes only

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## Related Products

### Recommended Negative Controls

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

**Product inquiries:** [www.bio-rad-antibodies.com/technical-support](http://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](http://bio-rad-antibodies.com/datasheets)  
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