

## Datasheet: MCA6100PE

<b>Description:</b>	MOUSE ANTI PIG MONOCYTE/GRANULOCYTE:RPE
<b>Specificity:</b>	MONOCYTE/GRANULOCYTE
<b>Other names:</b>	CD172a, SWC3a
<b>Format:</b>	RPE
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	74-22-15
<b>Isotype:</b>	IgG1
<b>Quantity:</b>	0.1 mg

### 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 - 1/5

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) - liquid		
<b>Max Ex/Em</b>	<b>Fluorophore</b>	<b>Excitation Max (nm)</b>	<b>Emission Max (nm)</b>
	RPE 488nm laser	496	578
	RPE 561nm laser	546	578
<b>Preparation</b>	Purified IgG prepared by combination of precipitation and chromatography techniques		
<b>Buffer Solution</b>	Phosphate buffered saline		
<b>Preservative</b>	<0.1% Sodium Azide (NaN <sub>3</sub> )		
<b>Stabilisers</b>	Stabilizing agent (sucrose)		
<b>Approx. Protein Concentrations</b>	IgG concentration 0.1 mg/ml		

<b>Immunogen</b>	Fresh dd miniature swine thymocytes
<b>Specificity</b>	<b>Mouse anti Pig Monocyte/Granulocyte antibody, clone 74-22-15</b> , recognizes 90% of pig monocytes and granulocytes, in addition to 5% of lymphocytes, in peripheral blood. The target of Mouse anti Pig Monocyte/Granulocyte antibody, clone 74-22-15 is CD172a, similarly to clone BL1H7 ( <a href="#">Haverson et al. 1994</a> , <a href="#">Blecha et al. 1994</a> ). CD172a/SWC3a is expressed on monocytes, dendritic cells, and granulocytes.
<b>Flow Cytometry</b>	Use 10ul of the suggested working dilution to label 1x10 <sup>6</sup> cells in 100ul
<b>References</b>	<ol style="list-style-type: none"> <li>1. Labarque, G.G. <i>et al.</i> (2000) Effect of cellular changes and onset of humoral immunity on the replication of porcine reproductive and respiratory syndrome virus in the lungs of pigs. <a href="#">J Gen Virol. 81 (Pt 5): 1327-34.</a></li> <li>2. Blecha, F. <i>et al.</i> (1994) Workshop studies on monoclonal antibodies reactive against porcine myeloid cells. <a href="#">Vet Immunol Immunopathol. 43 (1-3): 269-72.</a></li> <li>3. Jarosz, ł. <i>et al.</i> (2021) The Effect of Feed Supplementation with EM Bokashi® Multimicrobial Probiotic Preparation on Selected Parameters of Sow Colostrum and Milk as Indicators of the Specific and Nonspecific Immune Response. <a href="#">Probiotics Antimicrob Proteins. Oct 01 [Epub ahead of print].</a></li> </ol>
<b>Storage</b>	Store at +4°C. DO NOT FREEZE. This product should be stored undiluted. This product is photosensitive and should be protected from light. Should this product contain a precipitate we recommend microcentrifugation before use.
<b>Guarantee</b>	Guaranteed for 12 months from the date of despatch or until the date of expiry, whichever comes first. Please see label for expiry date.
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10045 available at: <a href="https://www.bio-rad-antibodies.com/SDS/MCA6100PE">https://www.bio-rad-antibodies.com/SDS/MCA6100PE</a> 10045
<b>Regulatory</b>	For research purposes only

## Related Products

### Recommended Negative Controls

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

### Recommended Useful Reagents

[MOUSE ANTI PIG CD14:FITC \(MCA1218F\)](#)

<b>North &amp; South America</b>	Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: <a href="mailto:antibody_sales_us@bio-rad.com">antibody_sales_us@bio-rad.com</a>	<b>Worldwide</b>	Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: <a href="mailto:antibody_sales_uk@bio-rad.com">antibody_sales_uk@bio-rad.com</a>	<b>Europe</b>	Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: <a href="mailto:antibody_sales_de@bio-rad.com">antibody_sales_de@bio-rad.com</a>
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To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://www.bio-rad-antibodies.com/datasheets)  
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