

# Datasheet: MCA6100PE

**BATCH NUMBER 157555**

<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.

Target Species	Pig		
Product Form	Purified IgG conjugated to R. Phycoerythrin (RPE) - liquid		
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 combination of precipitation and chrom		
Buffer Solution	Phosphate buffered saline		
Preservative	0.1% Sodium Azide (NaN <sub>3</sub> )		
Stabilisers	<10% Sucrose		
Approx. Protein	IgG concentration 0.1 mg/ml		

## Concentrations

Immunogen	Fresh dd miniature swine thymocytes
Specificity	<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. Studies have reported that clone 74-22-15 recognizes CD172a, similarly to clone BL1H7 ( <a href="#">Haverson <i>et al.</i> 1994</a> ). CD172a/SWC3a is expressed on monocytes, dendritic cells, and granulocytes.
Flow Cytometry	Use 10ul of the suggested working dilution to label $1 \times 10^6$ cells in 100ul
Storage	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.
Guarantee	Guaranteed until date of expiry. Please see product label.
Health And Safety Information	Material Safety Datasheet documentation #10331 available at: <a href="https://www.bio-rad-antibodies.com/SDS/MCA6100PE">https://www.bio-rad-antibodies.com/SDS/MCA6100PE</a> 10331
Regulatory	For research purposes only

## Related Products

### Recommended Negative Controls

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

### Recommended Useful Reagents

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

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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://bio-rad-antibodies.com/datasheets)  
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