

Datasheet: MCA6100PE

BATCH NUMBER 157207

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

	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 ₃)		
Stabilisers	<10% Sucrose		
Approx. Protein	IgG concentration 0.1 mg/ml		

Concentrations

Immunogen	Fresh dd miniature swine thymocytes
Specificity	Mouse anti Pig Monocyte/Granulocyte antibody, clone 74-22-15 , 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 (Haverson <i>et al.</i> 1994). CD172a/SWC3a is expressed on monocytes, dendritic cells, and granulocytes.
Flow Cytometry	Use 10ul of the suggested working dilution to label 1×10^6 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: https://www.bio-rad-antibodies.com/SDS/MCA6100PE 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 \(MCA1218F\)](#)

North & South America	Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: antibody_sales_us@bio-rad.com	Worldwide	Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: antibody_sales_uk@bio-rad.com	Europe	Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: antibody_sales_de@bio-rad.com
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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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