

Datasheet: MCA6100GA

BATCH NUMBER 170470

Description:	MOUSE ANTI PIG MONOCYTE/GRANULOCYTE
Specificity:	MONOCYTE/GRANULOCYTE
Other names:	CD172a, SWC3a
Format:	Purified
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

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 - liquid
Preparation	Purified IgG prepared by combination of precipitation and chromatography techniques
Buffer Solution	Borate buffered saline
Preservative Stabilisers	<0.1% Sodium Azide (NaN ₃)
Approx. Protein Concentrations	IgG concentration 0.5 mg/ml
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. The target of Mouse anti Pig Monocyte/Granulocyte antibody, clone 74-22-15 is CD172a, similarly to clone BL1H7 (Haverson <i>et al.</i> 1994 , Blecha <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 1x10 ⁶ cells in 100ul
References	<ol style="list-style-type: none"> 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. J Gen Virol. 81 (Pt 5): 1327-34. 2. Blecha, F. <i>et al.</i> (1994) Workshop studies on monoclonal antibodies reactive against porcine myeloid cells. Vet Immunol Immunopathol. 43 (1-3): 269-72. 3. Jarosz, I. <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. Probiotics Antimicrob Proteins. Oct 01 [Epub ahead of print].
Storage	<p>Store at +4°C. DO NOT FREEZE.</p> <p>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.</p>
Guarantee	12 months from date of despatch
Health And Safety Information	Material Safety Datasheet documentation #10077 available at: https://www.bio-rad-antibodies.com/SDS/MCA6100GA
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Rabbit Anti Mouse IgG (STAR12...)	RPE
Goat Anti Mouse IgG IgA IgM (STAR87...)	HRP
Goat Anti Mouse IgG (STAR70...)	FITC
Rabbit Anti Mouse IgG (STAR13...)	HRP
Rabbit Anti Mouse IgG (STAR9...)	FITC
Goat Anti Mouse IgG (STAR77...)	HRP
Goat Anti Mouse IgG (H/L) (STAR117...)	Alk. Phos. , DyLight®488 , DyLight®550 , DyLight®650 , DyLight®680 , DyLight®800 , FITC , HRP
Goat Anti Mouse IgG (STAR76...)	RPE
Goat Anti Mouse IgG (Fc) (STAR120...)	FITC , HRP

Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL \(MCA928\)](#)

Recommended Useful Reagents

[MOUSE ANTI PIG CD14 \(MCA1218GA\)](#)

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
'M392061:211020'

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