

## Datasheet: MCA6098GA

**BATCH NUMBER 152167**

<b>Description:</b>	MOUSE ANTI PIG CD1
<b>Specificity:</b>	CD1
<b>Format:</b>	Purified
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	76-7-4
<b>Isotype:</b>	IgG2a
<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

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 - liquid
<b>Preparation</b>	Purified IgG prepared by combination of precipitation and chromatography techniques
<b>Buffer Solution</b>	Borate buffered saline
<b>Preservative Stabilisers</b>	0.09% Sodium Azide (NaN <sub>3</sub> )
<b>Approx. Protein Concentrations</b>	IgG concentration 0.5 mg/ml
<b>Immunogen</b>	Fresh dd miniature swine thymocytes
<b>External Database Links</b>	<b>UniProt:</b>

**Entrez Gene:**

[396785](#) CD1.1 [Related reagents](#)

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<b>Synonyms</b>	CD1.1
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<b>Specificity</b>	<p><b>Mouse anti Pig CD1 antibody, clone 76-7-4</b> recognizes a porcine homologue of the human CD1 cell surface receptor. CD1 is a member of the immunoglobulin superfamily. While it is structurally similar to the MHC class I receptor CD1 differs functionally by presenting lipid antigens to T cells (<a href="#">Germain &amp; Margulies, 1993</a>).</p> <p>To date, five classes of the CD1 genes have been identified across different mammalian species, namely CD1A, CD1B, CD1C, CD1D, and CD1E (<a href="#">Brigl &amp; Brenner, 2004</a>). In swine various tissues express CD1C even though its gene has been reported to carry a loss-of-function mutation (<a href="#">Eguchi-Ogawa et al. 2007</a>). CD1 is predominantly found on dendritic cells, macrophages, monocytes, and thymocytes (<a href="#">Chun et al. 1999</a>).</p>
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<b>Flow Cytometry</b>	Use 10ul of the suggested working dilution to label 1x10 <sup>6</sup> cells in 100ul
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<b>References</b>	1. Pauly, T. <i>et al.</i> (1998) Infection with classical swine fever virus: effects on phenotype and immune responsiveness of porcine T lymphocytes. <a href="#">J Gen Virol. 79 ( Pt 1): 31-40.</a>
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<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.
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<b>Guarantee</b>	12 months from date of despatch
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<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10077 available at: <a href="https://www.bio-rad-antibodies.com/SDS/MCA6098GA">https://www.bio-rad-antibodies.com/SDS/MCA6098GA</a> 10077
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<b>Regulatory</b>	For research purposes only
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## Related Products

### Recommended Secondary Antibodies

Rabbit Anti Mouse IgG (STAR12...)	<a href="#">RPE</a>
Goat Anti Mouse IgG IgA IgM (STAR87...)	<a href="#">HRP</a>
Goat Anti Mouse IgG (STAR76...)	<a href="#">RPE</a>
Rabbit Anti Mouse IgG (STAR13...)	<a href="#">HRP</a>
Goat Anti Mouse IgG (STAR70...)	<a href="#">FITC</a>
Goat Anti Mouse IgG (H/L) (STAR117...)	<a href="#">Alk. Phos.</a> , <a href="#">DyLight@488</a> , <a href="#">DyLight@550</a> , <a href="#">DyLight@650</a> , <a href="#">DyLight@680</a> , <a href="#">DyLight@800</a> , <a href="#">FITC</a> , <a href="#">HRP</a>
Rabbit Anti Mouse IgG (STAR9...)	<a href="#">FITC</a>

Goat Anti Mouse IgG (STAR77...) [HRP](#)  
Goat Anti Mouse IgG (Fc) (STAR120...) [FITC](#), [HRP](#)

### **Recommended Negative Controls**

[MOUSE IgG2a NEGATIVE CONTROL \(MCA929\)](#)

### **Recommended Useful Reagents**

[MOUSE ANTI PIG CD45RA \(MCA1751GA\)](#)

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

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

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