

## Datasheet: MCA566PE

**BATCH NUMBER 172284**

<b>Description:</b>	MOUSE ANTI GUINEA PIG CD1b3:RPE
<b>Specificity:</b>	CD1b3
<b>Format:</b>	RPE
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	MsGP9
<b>Isotype:</b>	IgG1
<b>Quantity:</b>	100 TESTS

### 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	▪			

Where this antibody 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 antibody for use in their own system using appropriate negative/positive controls.

<b>Target Species</b>	Guinea Pig						
<b>Product Form</b>	Purified IgG conjugated to R. Phycoerythrin (RPE) - lyophilized						
<b>Reconstitution</b>	Reconstitute with 1 ml distilled water						
<b>Max Ex/Em</b>	<table border="1"> <thead> <tr> <th>Fluorophore</th> <th>Excitation Max (nm)</th> <th>Emission Max (nm)</th> </tr> </thead> <tbody> <tr> <td>RPE 488nm laser</td> <td>496</td> <td>578</td> </tr> </tbody> </table>	Fluorophore	Excitation Max (nm)	Emission Max (nm)	RPE 488nm laser	496	578
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RPE 488nm laser	496	578					
<b>Preparation</b>	Purified IgG prepared by affinity chromatography on Protein A from tissue culture supernatant.						
<b>Buffer Solution</b>	Phosphate buffered saline						
<b>Preservative Stabilisers</b>	0.09% Sodium Azide 1% Bovine Serum Albumin 5% Sucrose						

<b>Immunogen</b>	Guinea pig thymocytes.
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">Q9QZZ0</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">100379551</a>    Cd1b3    <a href="#">Related reagents</a></p>
<b>RRID</b>	AB_566605
<b>Fusion Partners</b>	Spleen cells from an immunized BALB/c mice were fused with cells of the mouse NS1 myeloma cell line.
<b>Specificity</b>	<p><b>Mouse anti Guinea Pig CD1b3 antibody, clone MsGP9</b> recognizes an antigen expressed by guinea pig B lymphocytes.</p> <p>The antigen is found on mature B cells, weakly on germinal centre B cells, and also on a proportion of thymocytes and peritoneal macrophages.</p> <p>Mouse anti Guinea Pig CD1b3 antibody, clone MsGP9 appears to recognize the guinea pig homologue of CD1b3 (<a href="#">Hiromatsu et al. 2001</a>).</p>
<b>Flow Cytometry</b>	Use 10ul of the suggested working dilution to label 10 <sup>6</sup> cells in 100ul.
<b>References</b>	<ol style="list-style-type: none"> <li>Meshi, B. <i>et al.</i> (2002) Emphysematous lung destruction by cigarette smoke. The effects of latent adenoviral infection on the lung inflammatory response. <a href="#">Am J Respir Cell Mol Biol. 26: 52-7.</a></li> <li>Dascher, C.C. <i>et al.</i> (2002) Conservation of CD1 intracellular trafficking patterns between mammalian species. <a href="#">J Immunol. 169: 6951-8.</a></li> <li>Hiromatsu, K. <i>et al.</i> (2002) Characterization of guinea-pig group 1 CD1 proteins. <a href="#">Immunology. 106 (2): 159-72.</a></li> <li>Ordway, D. <i>et al.</i> (2007) The cellular immune response to <i>Mycobacterium tuberculosis</i> infection in the guinea pig. <a href="#">J Immunol. 179: 2532-41.</a></li> <li>Ordway, D. <i>et al.</i> (2008) Influence of <i>Mycobacterium bovis</i> BCG vaccination on cellular immune response of guinea pigs challenged with <i>Mycobacterium tuberculosis</i>. <a href="#">Clin Vaccine Immunol. 15: 1248-58.</a></li> <li>Lanz, T.A. <i>et al.</i> (2010) Pharmacodynamics and pharmacokinetics of the gamma-secretase inhibitor PF-3084014. <a href="#">J Pharmacol Exp Ther. 334: 269-77.</a></li> </ol>
<b>Storage</b>	<p>This product is shipped at ambient temperature.  Store at +4°C.</p> <p>DO NOT FREEZE</p> <p>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.</p>

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<b>Guarantee</b>	12 months from date of despatch
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #20487 available at: <a href="https://www.bio-rad-antibodies.com/SDS/MCA566PE">https://www.bio-rad-antibodies.com/SDS/MCA566PE</a>
<b>Regulatory</b>	For research purposes only

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## Related Products

### Recommended Negative Controls

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

**Product inquiries:** [www.bio-rad-antibodies.com/technical-support](http://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](http://bio-rad-antibodies.com/datasheets)

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