

Datasheet: MCA566PE

BATCH NUMBER 148616

Description:	MOUSE ANTI GUINEA PIG CD1b3:RPE
Specificity:	CD1b3
Format:	RPE
Product Type:	Monoclonal Antibody
Clone:	MsGP9
Isotype:	IgG1
Quantity:	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.

	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.

Target Species	Guinea Pig						
Product Form	Purified IgG conjugated to R. Phycoerythrin (RPE) - lyophilized						
Reconstitution	Reconstitute with 1 ml distilled water						
Max Ex/Em	<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					
Preparation	Purified IgG prepared by affinity chromatography on Protein A from tissue culture supernatant.						
Buffer Solution	Phosphate buffered saline						
Preservative Stabilisers	0.09% Sodium Azide 1% Bovine Serum Albumin 5% Sucrose						

Immunogen	Guinea pig thymocytes.
External Database Links	<p>UniProt: Q9QZZ0 Related reagents</p> <p>Entrez Gene: 100379551 Cd1b3 Related reagents</p>
RRID	AB_566605
Fusion Partners	Spleen cells from an immunised BALB/c mice were fused with cells of the mouse NS1 myeloma cell line.
Specificity	<p>Mouse anti Guinea Pig CD1b3 antibody, clone MsGP9 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 (Hiromatsu et al. 2001).</p>
Flow Cytometry	Use 10ul of the suggested working dilution to label 10 ⁶ cells in 100ul.
References	<ol style="list-style-type: none"> Butter, C. <i>et al.</i> (1989) A quantitative immunocytochemical study of the infiltrating lymphocytes in the spinal cord of guinea pigs with chronic relapsing experimental allergic encephalomyelitis. J Neuroimmunol. 25 (2-3): 169-76. Hiromatsu, K. <i>et al.</i> (2002) Characterization of guinea-pig group 1 CD1 proteins. Immunology. 106 (2): 159-72. Dascher, C.C. <i>et al.</i> (2002) Conservation of CD1 intracellular trafficking patterns between mammalian species. J Immunol. 169: 6951-8. Lanz, T.A. <i>et al.</i> (2010) Pharmacodynamics and pharmacokinetics of the gamma-secretase inhibitor PF-3084014. J Pharmacol Exp Ther. 334: 269-77. Meshi, B. <i>et al.</i> (2002) Emphysematous lung destruction by cigarette smoke. The effects of latent adenoviral infection on the lung inflammatory response. Am J Respir Cell Mol Biol. 26: 52-7. Ordway, D. <i>et al.</i> (2007) The cellular immune response to <i>Mycobacterium tuberculosis</i> infection in the guinea pig. J Immunol. 179: 2532-41. 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>. Clin Vaccine Immunol. 15: 1248-58.
Storage	<p>Store at +4°C.</p> <p>DO NOT FREEZE</p> <p>This product should be stored undiluted. This product is photosensitive and should be</p>

protected from light. Should this product contain a precipitate we recommend microcentrifugation before use.

Guarantee	12 months from date of despatch
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Health And Safety Information	Material Safety Datasheet documentation #20487 available at: https://www.bio-rad-antibodies.com/SDS/MCA566PE 20487
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Regulatory	For research purposes only
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Related Products

Recommended Negative Controls

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

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
'M375596:210104'

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