

Datasheet: MCA566GA

BATCH NUMBER 164528

Description:	MOUSE ANTI GUINEA PIG CD1b3
Specificity:	CD1b3
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	MsGP9
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	▪			1/50 - 1/200
Immunohistology - Frozen	▪			
Immunohistology - Paraffin			▪	
ELISA			▪	
Immunoprecipitation			▪	
Western Blotting			▪	

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 - liquid
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 (NaN ₃)
Carrier Free	Yes

Approx. Protein Concentrations	IgG concentration 1.0 mg/ml
Immunogen	Guinea pig thymocytes.
External Database Links	<p>UniProt: Q9QZZ0 Related reagents</p> <p>Entrez Gene: 100379551 Cd1b3 Related reagents</p>
RRID	AB_11152940
Fusion Partners	Spleen cells from an immunized 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"> 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. Dascher, C.C. <i>et al.</i> (2002) Conservation of CD1 intracellular trafficking patterns between mammalian species. J Immunol. 169: 6951-8. Hiromatsu, K. <i>et al.</i> (2002) Characterization of guinea-pig group 1 CD1 proteins. Immunology. 106 (2): 159-72. 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. 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.
Storage	<p>This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.</p> <p>Avoid repeated freezing and thawing as this may denature the antibody. Storage in</p>

frost-free freezers is not recommended.

Guarantee	12 months from date of despatch
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Health And Safety Information	Material Safety Datasheet documentation #10040 available at: https://www.bio-rad-antibodies.com/SDS/MCA566GA 10040
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Regulatory	For research purposes only
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Related Products

Recommended Secondary Antibodies

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

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