Datasheet: MCA566GA

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 G 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	**UniProt:**

Links	Q9QZZ0 Related reagents **Entrez Gene:** 100379551 Cd1b3 Related reagents
Fusion Partners	Spleen cells from an immunised BALB/c mice were fused with cells of the mouse NS1 myeloma cell line.
Specificity	**Mouse anti Guinea Pig CD1b3 antibody, clone MsGP9** recognizes an antigen expressed by guinea pig B lymphocytes. The antigen is found on mature B cells, weakly on germinal centre B cells, and also on a proportion of thymocytes and peritoneal macrophages. Mouse anti Guinea Pig CD1b3 antibody, clone MsGP9 appears to recognize the guinea pig homologue of CD1b3 (Hiromatsu *et al.* 2001).
Flow Cytometry	Use 10ul of the suggested working dilution to label 10^6 cells in 100ul.
References	1. Butter, C. *et al.* (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. 2. Hiromatsu, K. *et al.* (2002) Characterization of guinea-pig group 1 CD1 proteins. Immunology. 106 (2): 159-72. 3. Dascher, C.C. *et al.* (2002) Conservation of CD1 intracellular trafficking patterns between mammalian species. J Immunol. 169: 6951-8. 4. Lanz, T.A. *et al.* (2010) Pharmacodynamics and pharmacokinetics of the gamma-secretase inhibitor PF-3084014. J Pharmacol Exp Ther. 334: 269-77. 5. Meshi, B. *et al.* (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. 6. Ordway, D. *et al.* (2007) The cellular immune response to *Mycobacterium tuberculosis* infection in the guinea pig. J Immunol. 179: 2532-41. 7. Ordway, D. *et al.* (2008) Influence of *Mycobacterium bovis* BCG vaccination on cellular immune response of guinea pigs challenged with *Mycobacterium tuberculosis*. Clin Vaccine Immunol. 15: 1248-58.
Storage	Store at +4°C or at -20°C if preferred. This product should be stored undiluted. Storage in frost free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.
Shelf Life	18 months from date of despatch.
Health And Safety Information	Material Safety Datasheet documentation #10040 available at: 10040: https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG (STAR76...)	RPE
Goat Anti Mouse IgG IgA IgM (STAR87...)	Alk. Phos., HRP
Goat Anti Mouse IgG (H/L) (STAR117...)	Alk. Phos., DyLight®488, DyLight®549, DyLight®649, DyLight®680, DyLight®800, FITC, HRP
Rabbit Anti Mouse IgG (STAR9...)	FITC
Goat Anti Mouse IgG (STAR77...)	HRP
Rabbit Anti Mouse IgG (STAR12...)	RPE
Goat Anti Mouse IgG (Fc) (STAR120...)	FITC, HRP
Rabbit Anti Mouse IgG (STAR8...)	DyLight®800
Goat Anti Mouse IgG (STAR70...)	FITC
Rabbit Anti Mouse IgG (STAR13...)	HRP
Human Anti Mouse IgG1 (HCA036...)	HRP

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

'M316119:180503'

Printed on 05 May 2018

© 2018 Bio-Rad Laboratories Inc | Legal | Imprint