Datasheet: MCA566PE

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

Fluorophore	Excitation Max (nm)	Emission Max (nm)
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

UniProt:
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^{o}C. DO NOT FREEZE 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.
Shelf Life	12 months from date of reconstitution.
Health And Safety Information	Material Safety Datasheet documentation #10075 available at: 10075: https://www.bio-rad-antibodies.com/uploads/MSDS/10075.pdf
Regulatory	For research purposes only

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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