Datasheet: MCA1289

Description:	RAT ANTI MOUSE IgG1
Specificity:	IgG1
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	LO-MG1-13
Isotype:	IgG1
Quantity:	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			▪	
Immunohistology - Frozen			▪	
Immunohistology - Paraffin			▪	
ELISA	▪			5ug/ml as coating antibody
Immunoprecipitation			▪	
Western Blotting			▪	

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

Target Species	Mouse
Species Cross Reactivity	Does not react with:Human
Product Form	Purified IgG - liquid
Preparation	Purified IgG prepared by affinity chromatography from tissue culture supernatant
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% sodium azide (NaN_3)

Approx. Protein Concentrations	IgG concentration 1 mg/ml
Immunogen	Purified mouse IgG1 from BALB/c mice.
External Database Links	**UniProt:** P01869 Related reagents P01868 Related reagents **Entrez Gene:** 16017 Ighg1 Related reagents 16017 Ighg1 Related reagents
Synonyms	Igh-4
RRID	AB_321953
Fusion Partners	Spleen cells from immunized LOU/c rats were fused with cells of the rat IR983F myeloma cell line.
Specificity	**Rat anti Mouse IgG1 antibody, clone LO-MG1-13** recognizes the gamma 1 heavy chain of mouse immunoglobulin. No cross reactivity with other immunoglobulin classes or subclasses.
ELISA	This antibody may be used as a coating antibody in a sandwich ELISA in combination with LO-MG1-2 (MCA336P) as the detection reagent.
References	1. Soares, M. *et al.* (1992) Isotype characterization of rat preformed natural antibodies against guinea pig cells. Transplant Proc. 24 (2): 451-2. 2. Denis, O. *et al.* (1993) Resting B cells can act as antigen presenting cells in vivo and induce antibody responses. Int Immunol. 5 (1): 71-8. 3. Savignac. M. *et al.* (2010) Increased B cell proliferation and reduced Ig production in DREAM transgenic mice. J Immunol. 185:7527-36. 4. Banerjee, K. *et al.* (2012) Occluding the mannose moieties on human immunodeficiency virus type 1 gp120 with griffithsin improves the antibody responses to both proteins in mice. AIDS Res Hum Retroviruses. 28 (2): 206-14. 5. Laffont, S. *et al.* (2017) Androgen signaling negatively controls group 2 innate lymphoid cells. J Exp Med. 214 (6): 1581-92.
Storage	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. Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.
Guarantee	12 months from date of despatch

Health And Safety Information	Material Safety Datasheet documentation #10040 available at: https://www.bio-rad-antibodies.com/SDS/MCA1289 10040
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Rat IgG (MOUSE ADSORBED) (STAR71...)	DyLight®550, DyLight®650, DyLight®800
Rabbit Anti Rat IgG (STAR21...)	HRP
Rabbit Anti Rat IgG (STAR16...)	DyLight®800
Goat Anti Rat IgG (STAR131...)	Alk. Phos., Biotin
Rabbit Anti Rat IgG (STAR17...)	FITC
Goat Anti Rat IgG (STAR72...)	HRP
Goat Anti Rat IgG (STAR69...)	FITC
Goat Anti Rat IgG (STAR73...)	RPE

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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

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