

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 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	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	0.1% Sodium Azide

Approx. Protein Concentrations	IgG concentration 1 mg/ml
Immunogen	Purified mouse IgG1 from BALB/c mice.
External Database Links	<p>UniProt:</p> <p>P01869 Related reagents</p> <p>P01868 Related reagents</p> <p>Entrez Gene:</p> <p>16017 Iggh1 Related reagents</p> <p>16017 Iggh1 Related reagents</p>
Synonyms	Igh-4
RRID	AB_321953
Fusion Partners	Spleen cells from immunised 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	<ol style="list-style-type: none"> 1. Denis, O. <i>et al.</i> (1993) Resting B cells can act as antigen presenting cells in vivo and induce antibody responses. Int Immunol. 5 (1): 71-8. 2. Soares, M. <i>et al.</i> (1992) Isotype characterization of rat preformed natural antibodies against guinea pig cells. Transplant Proc. 24 (2): 451-2. 3. Savignac, M. <i>et al.</i> (2010) Increased B cell proliferation and reduced Ig production in DREAM transgenic mice. J Immunol. 185:7527-36. 4. Banerjee, K. <i>et al.</i> (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 <i>et al.</i> (2017) Androgen signaling negatively controls group 2 innate lymphoid cells. J Exp Med. pii: jem.20161807. [Epub ahead of print]
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 frost-free freezers is not recommended.</p>
Guarantee	12 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 Rat IgG (STAR69...)	FITC
Goat Anti Rat IgG (STAR73...)	RPE
Rabbit Anti Rat IgG (STAR16...)	DyLight@800
Goat Anti Rat IgG (MOUSE ADSORBED) (STAR71...)	DyLight@800
Goat Anti Rat IgG (STAR72...)	HRP
Rabbit Anti Rat IgG (STAR21...)	HRP
Rabbit Anti Rat IgG (STAR17...)	FITC
Goat Anti Rat IgG (STAR131...)	Alk. Phos. , Biotin

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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](https://www.bio-rad-antibodies.com/datasheets)

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