

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

RRID AB_321953

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 Ighg1 Related reagents</p> <p>16017 Ighg1 Related reagents</p>
Synonyms	Igh-4
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>Store at +4°C or at -20°C if preferred.</p> <p>This product should be stored undiluted.</p> <p>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.</p>
Guarantee	18 months from date of despatch.
Health And Safety Information	Material Safety Datasheet documentation #10303 available at: 10303: https://www.bio-rad-antibodies.com/uploads/MSDS/10303.pdf
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Rabbit Anti Rat IgG (STAR17...) [FITC](#)

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

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

'M339466:181219'

Printed on 20 May 2019

© 2019 Bio-Rad Laboratories Inc | [Legal](#) | [Imprint](#)