

Datasheet: MCA1292

BATCH NUMBER 170203

Description:	RAT ANTI MOUSE IgG3
Specificity:	IgG3 HEAVY CHAIN
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	LO-MG3-13
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 (coating)
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
Product Form	Purified IgG - liquid
Preparation	Purified IgG prepared by affinity chromatography on mouse IgG3/Sepharose 4B from tissue culture supernatant
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.1% Sodium Azide (NaN ₃)
Approx. Protein	IgG concentration 1 mg/ml

Concentrations

Immunogen Polyclonal mouse IgG

External Database Links

UniProt:

[P03987](#) [Related reagents](#)

Entrez Gene:

[380795](#) AI324046 [Related reagents](#)

RRID AB_321848

Fusion Partners Spleen cells from immunized Lou/c rats were fused with cells of the rat IR983F myeloma cell line.

Specificity **Rat anti Mouse IgG3 antibody, clone LO-MG3-13** recognizes murine IgG3 (gamma heavy chain) and does not cross react with other murine immunoglobulin classes or subclasses.

ELISA This antibody may be used as a coating antibody in a sandwich ELISA in combination with LO-MG3-7 ([MCA423B](#)) and Streptavidin:HRP ([STAR5B](#)) as the detection reagents.

References

1. 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.](#)
 2. Savignac, M. *et al.* (2010) Increased B cell proliferation and reduced Ig production in DREAM transgenic mice. [J Immunol. 185 \(12\): 7527-36.](#)
 3. Banerjee, K. *et al.* (2009) Enzymatic removal of mannose moieties can increase the immune response to HIV-1 gp120 *in vivo*. [Virology. 389 \(1-2\): 108-21.](#)
 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.](#)
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Storage Store at +4°C or at -20°C if preferred.

This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

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/MCA1292>
10040

Regulatory For research purposes only

Related Products

Recommended Secondary Antibodies

Rabbit Anti Rat IgG (STAR16...)	DyLight@800
Rabbit Anti Rat IgG (STAR17...)	FITC
Goat Anti Rat IgG (STAR72...)	HRP
Goat Anti Rat IgG (STAR69...)	FITC
Goat Anti Rat IgG (STAR73...)	RPE
Rabbit Anti Rat IgG (STAR21...)	HRP
Goat Anti Rat IgG (MOUSE ADSORBED) (STAR71...)	DyLight@550 , DyLight@650 , DyLight@800
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
'M365096:200529'

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