

## Datasheet: MCA1292

**BATCH NUMBER 164714**

<b>Description:</b>	RAT ANTI MOUSE IgG3
<b>Specificity:</b>	IgG3 HEAVY CHAIN
<b>Format:</b>	Purified
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	LO-MG3-13
<b>Isotype:</b>	IgG1
<b>Quantity:</b>	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](http://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 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.

<b>Target Species</b>	Mouse
<b>Product Form</b>	Purified IgG - liquid
<b>Preparation</b>	Purified IgG prepared by affinity chromatography from tissue culture supernatant
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	0.1% sodium azide (NaN <sub>3</sub> )
<b>Approx. Protein Concentrations</b>	IgG concentration 1 mg/ml

<b>Immunogen</b>	Polyclonal mouse IgG
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">P03987</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">380795</a>    AI324046    <a href="#">Related reagents</a></p>
<b>RRID</b>	AB_321848
<b>Fusion Partners</b>	Spleen cells from immunized Lou/c rats were fused with cells of the rat IR983F myeloma cell line.
<b>Specificity</b>	<b>Rat anti Mouse IgG3 antibody, clone LO-MG3-13</b> recognizes murine IgG3 (gamma heavy chain) and does not cross react with other murine immunoglobulin classes or subclasses.
<b>ELISA</b>	This antibody may be used as a coating antibody in a sandwich ELISA in combination with LO-MG3-7 ( <a href="#">MCA423B</a> ) and Streptavidin:HRP ( <a href="#">STAR5B</a> ) as the detection reagents.
<b>References</b>	<ol style="list-style-type: none"> <li>1. Denis, O. <i>et al.</i> (1993) Resting B cells can act as antigen presenting cells in vivo and induce antibody responses. <a href="#">Int Immunol. 5 (1): 71-8.</a></li> <li>2. Savignac, M. <i>et al.</i> (2010) Increased B cell proliferation and reduced Ig production in DREAM transgenic mice. <a href="#">J Immunol. 185 (12): 7527-36.</a></li> <li>3. Banerjee, K. <i>et al.</i> (2009) Enzymatic removal of mannose moieties can increase the immune response to HIV-1 gp120 <i>in vivo</i>. <a href="#">Virology. 389 (1-2): 108-21.</a></li> <li>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. <a href="#">AIDS Res Hum Retroviruses. 28 (2): 206-14.</a></li> </ol>
<b>Storage</b>	<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>
<b>Guarantee</b>	12 months from date of despatch
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10040 available at: <a href="https://www.bio-rad-antibodies.com/SDS/MCA1292">https://www.bio-rad-antibodies.com/SDS/MCA1292</a> 10040
<b>Regulatory</b>	For research purposes only

## Related Products

## Recommended Secondary Antibodies

Goat Anti Rat IgG (STAR69...)	<a href="#">FITC</a>
Goat Anti Rat IgG (STAR73...)	<a href="#">RPE</a>
Rabbit Anti Rat IgG (STAR17...)	<a href="#">FITC</a>
Goat Anti Rat IgG (STAR72...)	<a href="#">HRP</a>
Goat Anti Rat IgG (MOUSE ADSORBED) (STAR71...)	<a href="#">DyLight®550</a> , <a href="#">DyLight®650</a> , <a href="#">DyLight®800</a>
Rabbit Anti Rat IgG (STAR21...)	<a href="#">HRP</a>
Rabbit Anti Rat IgG (STAR16...)	<a href="#">DyLight®800</a>
Goat Anti Rat IgG (STAR131...)	<a href="#">Alk. Phos.</a> , <a href="#">Biotin</a>

<b>North &amp; South America</b>	Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: <a href="mailto:antibody_sales_us@bio-rad.com">antibody_sales_us@bio-rad.com</a>	<b>Worldwide</b>	Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: <a href="mailto:antibody_sales_uk@bio-rad.com">antibody_sales_uk@bio-rad.com</a>	<b>Europe</b>	Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: <a href="mailto:antibody_sales_de@bio-rad.com">antibody_sales_de@bio-rad.com</a>
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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://bio-rad-antibodies.com/datasheets)

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