

## Datasheet: MCA5748G

**BATCH NUMBER 166073**

<b>Description:</b>	MOUSE ANTI HUMAN IgG (CH2 DOMAIN)
<b>Specificity:</b>	IgG (CH2 Domain)
<b>Format:</b>	Purified
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	R10Z8E9
<b>Isotype:</b>	IgG1
<b>Quantity:</b>	0.2 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
ELISA	■			

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>	Human
<b>Species Cross Reactivity</b>	Does not react with: Mouse, Rat, Cynomolgus monkey, Baboon, Marmoset, Rhesus Monkey
<b>Product Form</b>	Purified IgG - liquid
<b>Preparation</b>	Purified IgG prepared by affinity chromatography on Protein A from tissue culture supernatant
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	0.09% Sodium Azide (NaN <sub>3</sub> )
<b>Carrier Free</b>	Yes

<b>Approx. Protein Concentrations</b>	IgG concentration 1.0mg/ml
<b>Immunogen</b>	Polyclonal Human IgG
<b>External Database Links</b>	<p><b>UniProt:</b></p> <p><a href="#">P01857</a>    <a href="#">Related reagents</a></p> <p><a href="#">P01859</a>    <a href="#">Related reagents</a></p> <p><a href="#">P01859</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b></p> <p><a href="#">3500</a>    IGHG1    <a href="#">Related reagents</a></p> <p><a href="#">3501</a>    IGHG2    <a href="#">Related reagents</a></p> <p><a href="#">3501</a>    IGHG2    <a href="#">Related reagents</a></p>
<b>RRID</b>	AB_10965068
<b>Fusion Partners</b>	Spleen cells from immunized BALB/c mice were fused with cells of the NS0 myeloma cell line.
<b>Specificity</b>	<p><b>Mouse anti Human IgG (CH2 Domain), clone R10Z8E9</b> recognizes Human IgG.</p> <p>Clone R10Z8E9 appears to be specific to Human IgG and been demonstrated by ELISA not to recognize IgG from non-human primate species (Baboon, Marmoset, Rhesus and Cynomologus macaques), nor does it recognize mouse or rat immunoglobulin.</p> <p>NB: This reagent may not be used for the detection of therapeutic antibodies from samples obtained from experimental animals without prior consent by the owner of EP 1 853 921 (F. Hoffmann-La Roche AG, Basel, Switzerland) and /or US 7,955,806 (HOFFMANN-LA ROCHE, INC., Nutley, NJ).</p> <p><a href="#">View a summary of anti-human IgG Fc specific antibodies for the detection of therapeutic antibodies.</a></p>
<b>ELISA</b>	This product is suitable for use in indirect ELISA applications.
<b>References</b>	<ol style="list-style-type: none"> <li>1. Stubenrauch, K. <i>et al.</i> (2009) Evaluation of an immunoassay for human-specific quantitation of therapeutic antibodies in serum samples from non-human primates. <a href="#">J Pharm Biomed Anal. 49 (4): 1003-8.</a></li> <li>2. Gilchuk, P. <i>et al.</i> (2018) Efficacy of Human Monoclonal Antibody Monotherapy Against Bundibugyo Virus Infection in Nonhuman Primates. <a href="#">J Infect Dis. 218 (suppl 5): S565-S573.</a></li> <li>3. Cross, R.W. <i>et al.</i> (2020) Prior vaccination with rVSV-ZEBOV does not interfere with but improves efficacy of postexposure antibody treatment. <a href="#">Nat Commun. 11 (1): 3736.</a></li> <li>4. Gilchuk, P. <i>et al.</i> (2020) Analysis of a Therapeutic Antibody Cocktail Reveals Determinants for Cooperative and Broad Ebolavirus Neutralization. <a href="#">Immunity. 52 (2): 388-403.e12.</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>	<p>Material Safety Datasheet documentation #10040 available at: <a href="https://www.bio-rad-antibodies.com/SDS/MCA5748G">https://www.bio-rad-antibodies.com/SDS/MCA5748G</a></p> <p>10040</p>
<b>Licensed Use</b>	Not for the detection of therapeutic antibodies from samples obtained from experimental animals without prior consent by the owner of EP 1 853 921 (F. Hoffmann-La Roche AG, Basel, Switzerland) and /or US 7,955,806 (HOFFMANN-LA ROCHE, INC., Nutley, NJ)
<b>Regulatory</b>	For research purposes only

## Related Products

### Recommended Secondary Antibodies

Rabbit Anti Mouse IgG (STAR12...)	<a href="#">RPE</a>
Goat Anti Mouse IgG (H/L) (STAR117...)	<a href="#">HRP</a>
Rabbit Anti Mouse IgG (STAR9...)	<a href="#">FITC</a>
Rabbit Anti Mouse IgG (STAR13...)	<a href="#">HRP</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://www.bio-rad-antibodies.com/datasheets)  
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