

Datasheet: MCA5748G

Description:	MOUSE ANTI HUMAN IgG (CH2 DOMAIN)
Specificity:	IgG (CH2 Domain)
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	R10Z8E9
Isotype:	IgG1
Quantity:	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.

	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.

Target Species	Human
Species Cross Reactivity	Does not react with: Mouse, Rat, Cynomolgus monkey, Baboon, Marmoset, Rhesus Monkey
Product Form	Purified IgG - liquid
Preparation	Purified IgG prepared by affinity chromatography on Protein A from tissue culture supernatant
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃)
Carrier Free	Yes
Approx. Protein Concentrations	IgG concentration 1.0mg/ml
Immunogen	Polyclonal Human IgG
External Database Links	UniProt: P01857 Related reagents

[P01859](#) [Related reagents](#)

[P01859](#) [Related reagents](#)

Entrez Gene:

[3500](#) IGHG1 [Related reagents](#)

[3501](#) IGHG2 [Related reagents](#)

[3501](#) IGHG2 [Related reagents](#)

Fusion Partners	Spleen cells from immunised BALB/c mice were fused with cells of the NS0 myeloma cell line.
Specificity	Mouse anti Human IgG (CH2 Domain), clone R10Z8E9 recognises Human IgG. Clone R10Z8E9 appears to be specific to Human IgG and been demonstrated by ELISA not to recognise IgG from Non-Human Primate species (Baboon, Marmoset, Rhesus and Cynomologus macaques), nor does it recognize mouse or rat immunoglobulin. 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). View a summary of anti-human IgG Fc specific antibodies for the detection of therapeutic antibodies.
ELISA	This product is suitable for use in indirect ELISA applications.
References	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. J Pharm Biomed Anal. 49 (4): 1003-8.
Storage	Store at +4°C or at -20°C if preferred. Storage in frost-free freezers is not recommended. 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.
Shelf Life	18 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
Licensed Use	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)
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG (H/L) (STAR117...) [HRP](#)

Rabbit Anti Mouse IgG (STAR9...) [FITC](#)

Rabbit Anti Mouse IgG (STAR12...) [RPE](#)

Rabbit Anti Mouse IgG (STAR13...) [HRP](#)

Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL \(MCA928\)](#)

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