

Datasheet: MCA336P BATCH NUMBER 162330

Description:	RAT ANTI MOUSE IgG1 HEAVY CHAIN:HRP
Specificity:	IgG1 HEAVY CHAIN
Format:	HRP
Product Type:	Monoclonal Antibody
Clone:	LO-MG1-2
Isotype:	lgG1
Quantity:	0.5 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
Immunohistology - Frozen			•	
Immunohistology - Paraffin				
ELISA	•			500ng/ml
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 approriate negative/positive controls.

Target Species	Mouse
Product Form	Purified IgG conjugated to Horseradish Peroxidase (HRP) - liquid
Preparation	Purified IgG prepared by affinity chromatography from tissue culture supernatant
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.01% Thiomersal 50% Glycerol
Approx. Protein Concentrations	IgG concentration 1 mg/ml

Immunogen	Purified mouse IgG1 from BALB/c mice
External Database Links	UniProt: P01869 Related reagents P01868 Related reagents Entrez Gene: 16017 Ighg1 Related reagents 16017 Ighg1 Related reagents
Synonyms	lgh-4
RRID	AB_321957
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 Heavy Chain antibody, clone LO-MG1-2 recognizes murine IgG1, and does not bind other mouse immunoglobulin classes or subclasses.
ELISA	This product may be used in a direct ELISA or as a detection reagent in a sandwich ELISA together with MCA1289 as the capture reagent.
References	 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. Song, J. et al. (2000) Heterogeneous distribution of isoactins in cultured vascular smooth muscle cells does not reflect segregation of contractile and cytoskeletal domains. J Histochem Cytochem. 48 (11): 1441-52. Blackwell, N.M. & Else, K.J. (2002) A comparison of local and peripheral parasite-specific antibody production in different strains of mice infected with Trichuris muris. Parasite Immunol. 24 (4): 203-11. Hall, G. et al. (2003) Suppression of allergen reactive Th2 mediated responses and pulmonary eosinophilia by intranasal administration of an immunodominant peptide is linked to IL-10 production. Vaccine. 21 (5-6): 549-61. Echeverria, P.C. et al. (2006) Potent antigen-specific immunity to Toxoplasma gondii in adjuvant-free vaccination system using Rop2-Leishmania infantum Hsp83 fusion protein. Vaccine. 24: 4102-10. Ramos, J.D.A. et al. (2009) Characterization of Blo t 11 Monoclonal Antibodies with Constant Region Mutations Phil Sci Lett. 2(1): 38-48 Nakanishi, S. et al. (2010) Sequence analysis of a bacteriocinogenic plasmid of Clostridium butyricum and expression of the bacteriocin gene in Escherichia coli. Anaerobe. 16: 253-7. Hjerpe, C. et al. (2010) Dendritic cells pulsed with malondialdehyde modified low density lipoprotein aggravate atherosclerosis in Apoe(-/-) mice. Atherosclerosis. 209 (2): 436-41.

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Storage

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.

Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.

Guarantee	12 months from date of despatch
Health And Safety Information	Material Safety Datasheet documentation #10097 available at: https://www.bio-rad-antibodies.com/SDS/MCA336P 10097
Regulatory	For research purposes only

Related Products

Recommended Useful Reagents

AbGUARD® HRP STABILIZER PLUS (BUF052A)

AbGUARD® HRP STABILIZER PLUS (BUF052B)

AbGUARD® HRP STABILIZER PLUS (BUF052C)

TMB CORE (BUF056A)

TMB CORE+ (BUF062A)

TMB SIGNAL+ (BUF054A)

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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 'M384066:210513'

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