

Datasheet: MCA336P

Description:	RAT ANTI MOUSE IgG1 HEAVY CHAIN:HRP
Specificity:	IgG1 HEAVY CHAIN
Format:	HRP
Product Type:	Monoclonal Antibody
Clone:	LO-MG1-2
Isotype:	IgG1
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.

	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 appropriate negative/positive controls.

Target Species	Mouse
Product Form	Purified IgG conjugated to Horseradish Peroxidase (HRP) - liquid
Preparation	Purified IgG prepared by affinity chromatography
Buffer Solution	Phosphate buffered saline
Preservative	0.01% Thiomersal
Stabilisers	50% Glycerol
Approx. Protein Concentrations	IgG concentration 1 mg/ml
Immunogen	Monoclonal mouse IgG1
External Database Links	<p>UniProt:</p> <p>P01869 IGH1M_MOUSE Related reagents</p> <p>P01868 IGHG1_MOUSE Related reagents</p> <p>Entrez Gene:</p> <p>16017 Ighg1 Related reagents</p> <p>16017 Ighg1 Related reagents</p>
Synonyms	Igh-4
Fusion Partners	Spleen cells from immunised LOU/c rats were fused with cells of the rat IR983F myeloma cell line.

Specificity	MCA336P recognises the gamma-1 heavy chain of mouse immunoglobulin.
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	<ol style="list-style-type: none"> 1. Song, J. <i>et al.</i> (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 - 1452. 2. Denis, O. <i>et al.</i> (1993) Resting B cells can act as antigen presenting cells in vivo and induce antibody responses. Int. Immunol. 5: 71-8. 3. Nakanishi, S. <i>et al.</i> (2010) Sequence analysis of a bacteriocinogenic plasmid of <i>Clostridium butyricum</i> and expression of the bacteriocin gene in <i>Escherichia coli</i>. Anaerobe. 16: 253-7. 4. Echeverria, P.C. <i>et al.</i> (2006) Potent antigen-specific immunity to <i>Toxoplasma gondii</i> in adjuvant-free vaccination system using Rop2-Leishmania infantum Hsp83 fusion protein. Vaccine. 24: 4102-10. 5. Huang, C.H. <i>et al.</i> (2011) Airway inflammation and IgE production induced by dust mite allergen-specific memory/effector Th2 cell line can be effectively attenuated by IL-35. J Immunol. 187: 462-71.
Storage	<p>Store at +4°C or at -20°C if preferred.</p> <p>This product should be stored undiluted.</p> <p>Storage in frost free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.</p>
Shelf Life	18 months from date of despatch.
Regulatory	For research purposes only

Related Products

Recommended Useful Reagents

[HRP-STABILPLUS™ \(BUF052A\)](#)

[HRP-STABILPLUS™ \(BUF052B\)](#)

[HRP-STABILPLUS™ \(BUF052C\)](#)

[TMB CORE \(BUF056A\)](#)

[TMB CORE PRESTAINED \(BUF057A\)](#)

[TMB PLUS \(BUF042A\)](#)

[TMB CORE+ \(BUF062A\)](#)

[TMB SIGNAL+ \(BUF054A\)](#)

[TMB SIGNAL+ PRESTAINED \(BUF055A\)](#)

Other formats and applications

This reagent is also available in a [Biotin](#), [FITC](#), [Purified](#) format and is useful for Flow Cytometry

Gentaur Molecular Products
Voortstraat 49
1910 Kampenhout, Belgium