AbD Serotec
A Bio-Rad Company

Datasheet: HCA036P

Description:	HUMAN ANTI MOUSE IgG1:HRP
Specificity:	IgG1
Format:	HRP
Product Type:	Monoclonal Antibody
Clone:	4639
Isotype:	HuCAL Fab bivalent
Quantity:	0.1 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.abdserotec.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Immunohistology - Frozen			▪	
Immunohistology - Paraffin			▪	
ELISA	▪			1/100 - 1/1000
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.

Target Species

Mouse

Product Form

A bivalent human recombinant Fab selected from the HuCAL® GOLD phage display library. Expressed in E. coli and purified using NiNTA affinity chromatography. This Fab fragment is dimerized via a helix-turn-helix motif. The antibody is tagged with a myc-tag (EQKLISEEDL) and a his-tag (HHHHHH) at the C-terminus of the antibody heavy chain and is conjugated to horseradish peroxidase.

Preparation

Metal chelate affinity chromatography

Buffer Solution

Phosphate buffered saline

Preservative Stabilisers

0.01% Thiomersal

Approx. Protein Concentrations

Antibody concentration 1mg/ml

Immunogen

Purified mouse monoclonal IgG1

External Database Links

UniProt:

P01868 Related reagents
P01869 Related reagents

Entrez Gene:

16017 Ighg1 Related reagents
16017 Ighg1 Related reagents

Synonyms

Igh-4

Specificity

HCA036 is specific for mouse IgG1.

	No cross reactivity is seen with other mouse immunoglobulin sub-classes, rat immunoglobulins, or sheep, bovine and goat IgG.
References	1. Ma, W. *et al.* (2012) Use of Dip and ReadTM Anti-Human Fab-CH1 Biosensors for Rapid Quantitation and Kinetic Analysis of Human IgG Fab Fragments Biopharmasia Poster FBO050
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.
Shelf Life	12 months from date of despatch.
Acknowledgements	Sold under license of U.S. Patents 6,300,064, 6,696,248, 6,708,484, 6,753,136, European patent 0,859,841 and corresponding patents.
Health And Safety Information	Material Safety Datasheet Documentation #10094 available at: http://www.abdserotec.com/uploads/MSDS/10094.pdf
Licensed Use	For in vitro research purposes only, unless otherwise specified in writing by AbD Serotec.
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)

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