

Datasheet: HCA037

Description:	HUMAN ANTI MOUSE IgG2a
Specificity:	IgG2a
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	6344
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.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry	■			1/10
Immunohistology - Frozen			■	
Immunohistology - Paraffin			■	
ELISA	■			1/1000 - 1/2500
Immunoprecipitation			■	
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.
Reconstitution	Reconstitute with 1.0 ml distilled water Care should be taken during reconstitution as the protein may appear as a film at the bottom of the vial. Bio-Rad recommend that the vial is gently mixed after reconstitution.
Preparation	Metal chelate affinity chromatography
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	None present.
Approx. Protein	0.1 mg/ml following reconstitution

Concentrations

Immunogen	Purified mouse monoclonal IgG2a
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External Database Links

UniProt:

P01865	Related reagents
P01863	Related reagents
P01864	Related reagents

Entrez Gene:

380793	Igh-1a	Related reagents
380793	Igh-1a	Related reagents
380793	Igh-1a	Related reagents

Specificity	HCA037 is specific for mouse IgG2a.
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No cross reactivity is seen with other mouse immunoglobulin sub-classes, rat immunoglobulins, or sheep, bovine and goat IgG.

Storage	Prior to reconstitution store at +4°C. After reconstitution store at -20°C. 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.
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Shelf Life	6 months from date of reconstitution.
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Acknowledgements	Sold under license of U.S. Patents 6753136, 7785859 and 8273688 and corresponding patents. This antibody was developed by Bio-Rad, Zeppelinstr. 4, 82178 Puchheim, Germany.
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Health And Safety Information	Material Safety Datasheet Documentation #10162 available at: https://www.bio-rad-antibodies.com/uploads/MSDS/10162.pdf
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Licensed Use	For in vitro research purposes only, unless otherwise specified in writing by Bio-Rad.
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Regulatory	For research purposes only
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Technical Advice	Recommended protocols and further information about HuCAL recombinant antibody technology can be found in the HuCAL Antibodies Technical Manual
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Related Products

Recommended Secondary Antibodies

Mouse Anti Synthetic Peptide HISTIDINE TAG (MCA5995...) [HRP](#)

Mouse Anti Human C-MYC (MCA2200...) [HRP](#)

North & South America
Tel: +1 800 265 7376
Fax: +1 919 878 3751
Email: antibody_sales_us@bio-rad.com

Worldwide
Tel: +44 (0)1865 852 700
Fax: +44 (0)1865 852 739
Email: antibody_sales_uk@bio-rad.com

Europe
Tel: +49 (0) 89 8090 95 21
Fax: +49 (0) 89 8090 95 50
Email: antibody_sales_de@bio-rad.com

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