

Datasheet: HCA037F

Description:	HUMAN ANTI MOUSE IgG2a:FITC
Specificity:	IgG2a
Format:	FITC
Product Type:	Monoclonal Antibody
Clone:	AbD06344
Isotype:	HuCAL Fab bivalent
Quantity:	0.1 mg

Product Details

RRID AB_961505

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	■			Neat - 1/10

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 fluorescein isothiocyanate (FITC).

Max Ex/Em	Fluorophore	Excitation Max (nm)	Emission Max (nm)
	FITC	490	525

Preparation Metal chelate affinity chromatography

Buffer Solution Phosphate buffered saline

Preservative 0.09% Sodium Azide (NaN₃)
Stabilisers 1% Bovine Serum Albumin

Approx. Protein Concentrations Antibody concentration 0.1 mg/ml

Immunogen Purified mouse monoclonal IgG2a.

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

Human anti Mouse IgG2a, clone AbD06344 is specific for mouse IgG2a. No cross reactivity is seen with other mouse immunoglobulin sub-classes, rat immunoglobulins, or sheep, bovine and goat IgG.

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. This product is photosensitive and should be protected from light.

Avoid repeated freezing and thawing as this may denature the antibody.

Guarantee

6 months from date of reconstitution

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.

His-tag is a registered trademark of EMD Biosciences.

Health And Safety Information

Material Safety Datasheet documentation #10041 available at:

10041: <https://www.bio-rad-antibodies.com/uploads/MSDS/10041.pdf>

Licensed Use

For in vitro research purposes only, unless otherwise specified in writing by Bio-Rad.

Regulatory

For research purposes only

Technical Advice

Recommended protocols and further information about HuCAL recombinant antibody technology can be found in the [HuCAL Antibodies Technical Manual](#)

Related Products**Recommended Useful Reagents**[MOUSE SEROBLOCK FcR \(BUF041A\)](#)[MOUSE SEROBLOCK FcR \(BUF041B\)](#)**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

'M339439:181219'

Printed on 11 Oct 2019