

Datasheet: HCA082

Description:	HUMAN ANTI HUMAN IgG (Fc)
Specificity:	IgG (Fc)
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	AbD06864
Isotype:	HuCAL Fab bivalent
Quantity:	0.1 mg

Product Details

RRID AB_1605090

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			■	
Immunohistology - Frozen			■	
Immunohistology - Paraffin			■	
ELISA	■			1/50 - 1/500
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 Human

Product Form A bivalent human recombinant Fab (lambda light chain) selected from the HuCAL® GOLD phage display library, expressed in *E. coli*. 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. This antibody is supplied liquid.

Preparation Metal chelate affinity chromatography

Buffer Solution Phosphate buffered saline

Preservative Stabilisers 0.01% Thiomersal

Approx. Protein Concentrations Antibody concentration 0.5 mg/ml

Immunogen Fusion protein containing the Fc region of human IgG1.

External Database Links

UniProt:

[P01860](#) [Related reagents](#)
[P01857](#) [Related reagents](#)
[P01859](#) [Related reagents](#)
[P01861](#) [Related reagents](#)

Entrez Gene:

[3502](#) IGHG3 [Related reagents](#)
[3500](#) IGHG1 [Related reagents](#)
[3501](#) IGHG2 [Related reagents](#)
[3503](#) IGHG4 [Related reagents](#)

Specificity

Human anti Human IgG (Fc) antibody, clone AbD06864 recognizes the Fc region of human IgG and binds to all IgG sub-classes. In normal human adults, IgG constitutes approximately 75% of the total serum immunoglobulins. Human anti Human IgG (Fc) antibody, clone AbD06864 does not cross react with other immunoglobulin classes.

References

1. Jamin, A. *et al.* (2018) Autoantibodies against podocytic UCHL1 are associated with idiopathic nephrotic syndrome relapses and induce proteinuria in mice. [J Autoimmun. Jan 04 \[Epub ahead of print\]](#).

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. Should this product contain a precipitate we recommend microcentrifugation before use.

Guarantee

12 months from date of despatch

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 #10094 available at: 10094: <https://www.bio-rad-antibodies.com/uploads/MSDS/10094.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 Secondary Antibodies

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

Mouse Anti Synthetic Peptide HISTIDINE TAG (MCA1396...) [Alk. Phos.](#), [Biotin](#)

Mouse Anti Human C-MYC (MCA2200...)

[Alk. Phos.](#), [Biotin](#), [HRP](#)

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