

Datasheet: HCA192

Description:	RECOMBINANT HUMAN IgG1 KAPPA
Name:	HUMAN IgG1 KAPPA
Format:	Purified
Product Type:	Recombinant Protein
Clone:	AbD18705_hIgG1
Isotype:	IgG1 Kappa
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
ELISA	■			

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.

Product Form Human IgG1 antibody selected from the HuCAL® phage display library and expressed in a human cell line -This antibody is supplied as a liquid.

Preparation Purified IgG prepared by affinity chromatography on Protein A.

Buffer Solution Phosphate buffered saline

Preservative Stabilisers 0.01% Thiomersal

Approx. Protein Concentrations Antibody concentration 0.5 mg/ml

Immunogen Green fluorescent protein.

External Database Links

UniProt:

[P01834](#) [Related reagents](#)

[P01857](#) [Related reagents](#)

Entrez Gene:

[3514](#) IGKC [Related reagents](#)

[3500](#) IGHG1 [Related reagents](#)

Specificity	<p>Recombinant Human IgG1 Kappa, clone AbD18705_hlgG1 is a recombinant human IgG1 antibody with a kappa light chain and a heavy chain belonging to the G1m(f) allotype, previously designated G1m3 (GenBank AAT49050).</p> <p>Clone AbD18705_hlgG1 is specific for Green Fluorescent Protein and has no known reactivity with mammalian proteins or other antigens. This product is recommended for use as a standard in assays designed to measure IgG1 levels, or as a control antibody when using other human antibodies of the same isotype and subclass.</p> <p>Clone AbD18705_hlgG1 forms part of a range of human recombinant immunoglobins containing the kappa light chain. A similar range of recombinant human immunoglobulins containing the lambda light chain is also available from Bio-Rad.</p>
Storage	<p>Store at +4°C or at -20°C if preferred.</p> <p>Storage in frost-free freezers is not recommended.</p> <p>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.</p>
Shelf Life	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.
Health And Safety Information	Material Safety Datasheet documentation #10040 available at: 10040: https://www.bio-rad-antibodies.com/uploads/MSDS/10040.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

[RECOMBINANT HUMAN IgG1 LAMBDA \(HCA049\)](#)

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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Printed on 02 May 2018