

Datasheet: HCA194

BATCH NUMBER 156549

Description:	RECOMBINANT HUMAN IgG3 KAPPA
Name:	HUMAN IgG3 KAPPA
Format:	Purified
Product Type:	Recombinant Protein
Clone:	AbD18705_hlgG3
Isotype:	IgG3 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
Flow Cytometry			▪	
Immunohistology - Frozen			▪	
Immunohistology - Paraffin			▪	
ELISA	▪			
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.

Product Form	Human IgG3 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 G
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.01% Thiomersal
Approx. Protein Concentrations	Total protein concentration 0.5 mg/ml

Immunogen Green Fluorescent Protein (GFP).

External Database

Links

UniProt:

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

[P01860](#) [Related reagents](#)

Entrez Gene:

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

[3502](#) IGHG3 [Related reagents](#)

Specificity

Recombinant Human IgG3 kappa, clone AbD18705_hlgG3 is a recombinant human IgG3 antibody with a kappa light chain and a heavy chain belonging to the G3m(b1) allotype, previously designated G3m5. Clone AbD18705_hlgG3 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 IgG3 levels, or as a control antibody when using other human antibodies of the same isotype and subclass.

Recombinant Human IgG3 kappa, clone AbD18705_hlgG3 forms part of a range of human recombinant immunoglobulins containing the kappa light chain. A similar range of reagents containing the lambda light chain is also available from Bio-Rad.

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.

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 Useful Reagents

[RECOMBINANT HUMAN IgG3 LAMBDA \(HCA178\)](#)

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To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets

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