

Datasheet: HCA194

BATCH NUMBER 169533

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
Source	HKB-11
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃)
Approx. Protein	Total protein concentration 0.5 mg/ml

Concentrations

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

This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.

Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.

Guarantee

12 months from date of despatch

Acknowledgements

This product and/or its use is covered by claims of U.S. patents, and/or pending U.S. and non-U.S. patent applications owned by or under license to Bio-Rad Laboratories, Inc. See bio-rad.com/en-us/trademarks for details.

Health And Safety Information

Material Safety Datasheet documentation #10040 available at: <https://www.bio-rad-antibodies.com/SDS/HCA194>

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 \(HCA178\)](#)

Product inquiries: www.bio-rad-antibodies.com/technical-support

To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets
'M428341:240301'

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