

Datasheet: HCA194

**BATCH NUMBER 159789**

<b>Description:</b>	RECOMBINANT HUMAN IgG3 KAPPA
<b>Name:</b>	HUMAN IgG3 KAPPA
<b>Format:</b>	Purified
<b>Product Type:</b>	Recombinant Protein
<b>Clone:</b>	AbD18705_hlgG3
<b>Isotype:</b>	IgG3 Kappa
<b>Quantity:</b>	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](http://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.

<b>Product Form</b>	Human IgG3 antibody selected from the HuCAL® phage display library and expressed in a human cell line. This antibody is supplied as a liquid.
<b>Preparation</b>	Purified IgG prepared by affinity chromatography on Protein G
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	0.01% Thiomersal
<b>Approx. Protein Concentrations</b>	Total protein concentration 0.5 mg/ml

**Immunogen** Green Fluorescent Protein (GFP).

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**External Database**

**Links**

**UniProt:**

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

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

**Entrez Gene:**

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

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

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**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.

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**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.

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**Guarantee**

12 months from date of despatch

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**Acknowledgements**

Sold under license of U.S. Patents 7785859 and 8273688 and corresponding patents. This antibody was developed by Bio-Rad.

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**Health And Safety Information**

Material Safety Datasheet documentation #10094 available at: <https://www.bio-rad-antibodies.com/SDS/HCA194>  
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**Licensed Use**

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

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**Regulatory**

For research purposes only

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**Technical Advice**

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

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## Related Products

### Recommended Useful Reagents

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

<b>North &amp; South America</b>	Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: <a href="mailto:antibody_sales_us@bio-rad.com">antibody_sales_us@bio-rad.com</a>	<b>Worldwide</b>	Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: <a href="mailto:antibody_sales_uk@bio-rad.com">antibody_sales_uk@bio-rad.com</a>	<b>Europe</b>	Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: <a href="mailto:antibody_sales_de@bio-rad.com">antibody_sales_de@bio-rad.com</a>
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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](https://bio-rad-antibodies.com/datasheets)

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