

Datasheet: HCA193

Description:	RECOMBINANT HUMAN IgG2 KAPPA
Name:	HUMAN IgG2 KAPPA
Format:	Purified
Product Type:	Recombinant Protein
Clone:	AbD18705_hIgG2
Isotype:	IgG2 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 IgG2 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
Source	HKB-11
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃)
Approx. Protein Concentrations	Total protein concentration 0.5 mg/ml

Immunogen	Green Fluorescent Protein (GFP).
External Database Links	<p>UniProt:</p> <p>P01834 Related reagents</p> <p>P01859 Related reagents</p> <p>Entrez Gene:</p> <p>3514 IGKC Related reagents</p> <p>3501 IGHG2 Related reagents</p>
Specificity	<p>Recombinant Human IgG2 kappa is a recombinant human IgG2 antibody with a kappa light chain and a heavy chain belonging to the G2m(.), formally known as the G2m(n-) allotype.</p> <p>Recombinant Human IgG2 kappa 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 human IgG2 kappa levels, or as a control antibody when using other human antibodies of the same isotype and subclass.</p> <p>Recombinant Human IgG2 kappa forms part of a range of human recombinant immunoglobins containing the kappa light chain. A similar range of reagents containing the lambda light chain is also available from Bio-Rad.</p>
References	1. Ahmed, S.S. <i>et al.</i> (2024) An In Vitro Human Skin Test for Predicting Skin Sensitization and Adverse Immune Reactions to Biologics Toxics. 12 (6): 401.
Storage	<p>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.</p> <p>Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.</p>
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/HCA193 10040
Licensed Use	For <i>in vitro</i> 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 IgG2 LAMBDA \(HCA108\)](#)

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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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