Datasheet: HCA193

BATCH NUMBER 172558

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

Total protein concentration 0.5 mg/ml

Concentrations	
Immunogen	Green Fluorescent Protein (GFP).
External Database Links	**UniProt:** P01834 Related reagents P01859 Related reagents **Entrez Gene:** 3514 IGKC Related reagents 3501 IGHG2 Related reagents
Specificity	**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. 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. 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.
References	1. Ahmed, S.S. *et al.* (2024) An In Vitro Human Skin Test for Predicting Skin Sensitization and Adverse Immune Reactions to Biologics Toxics. 12 (6): 401.
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/HCA193
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 IgG2 LAMBDA (HCA108)

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

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