Datasheet: HCA049G

Description:	RECOMBINANT HUMAN IgG1 LAMBDA ALLOTYPE G1m3
Name:	HUMAN IgG1 LAMBDA ALLOTYPE G1m3
Format:	Purified
Product Type:	Recombinant Protein
Clone:	AbD00264_hIgG1
Isotype:	IgG1 Lambda
Quantity:	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 IgG1 antibody selected from the HuCAL GOLD phage display library and expressed in a human cell line, HKB-11 - 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

Antibody concentration 1.0 mg/ml

Immunogen	Green fluorescent protein
External Database Links	**UniProt:** P01857 Related reagents **Entrez Gene:** 3500 IGHG1 Related reagents
RRID	AB_1102929
Product Information	**Recombinant Human IgG1 lambda allotype G1m3, clone AbD00264_hIgG1** is a recombinant human antibody with a lambda light chain, and heavy chain belonging to the G1m3 allotype, also designated G1m(f). This product is a recombinant antibody with specificity for green fluorescent protein (GFP). It has no known reactivity with mammalian proteins or other antigens. It is therefore recommended as a control reagent for assays where this immunoglobulin is measured, or when using other human IgG1 antibodies of the same isotype or allotype. It is recommended that this reagent is used at the same concentration as the test reagent. The main allelic forms of IgG1 are G1m(f), G1m(f,a), and G1m(z,a). The G1m(f) (or G1m3) allele is only found in Caucasoid populations, whereas the G1m(f,a) allele is common in Mongoloids, but other variants, G1m(z,a,x) and G1m(z,a,v), have also been described; for further details on IgG1 allotypes see IgG subclasses and allotypes: from structure to effector functions, and IMGT Repertoire (IG and TR) Allotypes: Human (*Homo sapiens*) IGHC. The following publication reviews the serologically defined human IgG allotypes and considers the potential for allotype differences to contribute to or potentiate immunogenicity; Human immunoglobulin allotypes, possible implications for immunogenicity Our range of IgG1 controls also includes Recombinant Human IgG1 lambda allotype G1m17,1, and the corresponding allotypes for IgG1 kappa. View a summary of all recombinant fully human immunoglobulin isotype controls
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/HCA049G 10040
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 Secondary Antibodies

Goat Anti Human IgG F(ab')2 (0500-0099...) HRP
Mouse Anti Human IgG (Fc) (CH2 DOMAIN) (MCA647...) HRP

North & South America	Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: antibody_sales_us@bio-rad.com	**Worldwide**	Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: antibody_sales_uk@bio-rad.com	**Europe**	Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: antibody_sales_de@bio-rad.com

To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets
'M420816:230706'

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