Datasheet: HCA309PE

Description:	HUMAN ANTI MOUSE IgG1:RPE
Specificity:	IgG1
Format:	RPE
Product Type:	Monoclonal Antibody
Clone:	AbD24121
Isotype:	HuCAL Fab bivalent
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	▪			1/500 - 1/10000

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.

Target Species

Mouse

Product Form

A bivalent human recombinant Fab selected from the HuCAL phage display library, expressed in *E. coli*. This Fab fragment is dimerized via an inactive variant of the bacterial alkaline phosphatase (BAP) fusion protein. The antibody is tagged with DYKDDDDK and His (HHHHHH) tags. This antibody is supplied conjugated to R. Phycoerythrin (RPE) - lyophilized.

Reconstitution

Reconstitute with 100 µl distilled water

Max Ex/Em

Fluorophore	Excitation Max (nm)	Emission Max (nm)
RPE 488nm laser	496	578
RPE 561nm laser	546	578

Preparation

Prepared by affinity chromatography

Buffer Solution

Phosphate buffered saline

Preservative Stabilisers	0.09% sodium azide (NaN_3) 1% bovine serum albumin 5% sucrose
Approx. Protein Concentrations	Antibody concentration 1.0 mg/ml
Specificity	**Human anti Mouse IgG1 monoclonal antibody**, clone AbD24121, recognizes the IgG1 isotype of the primary antibody, with no species cross reactivity against mouse IgG2a and mouse IgG2b primary antibodies. This antibody allows for more than one unlabelled mouse monoclonal antibody to be used at any one time permitting multiplexing.
Storage	Store at +4°C. DO NOT FREEZE. This product should be stored undiluted. This product is photosensitive and should be protected from light. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.
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. His-tag is a trademark of EMD Biosciences.
Health And Safety Information	Material Safety Datasheet documentation #20487 available at: https://www.bio-rad-antibodies.com/SDS/HCA309PE 20487
Regulatory	For research purposes only

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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

'M428483:240301'

Printed on 01 Mar 2024

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