

## Datasheet: HCA309PE

**BATCH NUMBER 147937**

<b>Description:</b>	HUMAN ANTI MOUSE IgG1:RPE
<b>Specificity:</b>	IgG1
<b>Format:</b>	RPE
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	AbD24121
<b>Isotype:</b>	HuCAL Fab bivalent
<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	▪			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 ul 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** 0.09% Sodium Azide (NaN<sub>3</sub>)  
**Stabilisers** 1% Bovine Serum Albumin  
5% Sucrose

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**Approx. Protein Concentrations** Antibody concentration 1.0 mg/ml

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**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.

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**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.

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**Guarantee** 12 months from date of despatch

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**Acknowledgements** Sold under license of U.S. Patents 6753136, 7785859 and 8273688 and corresponding patents. This antibody was developed by Bio-Rad, Zeppelinstr. 4, 82178 Puchheim, Germany.  
His-tag is a registered trademark of EMD Biosciences

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**Health And Safety Information** Material Safety Datasheet documentation #20487 available at:  
<https://www.bio-rad-antibodies.com/SDS/HCA309PE>  
20487

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**Regulatory** For research purposes only

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