

Datasheet: MCA1718PE

Description:	MOUSE ANTI HUMAN CD38:RPE
Specificity:	CD38
Format:	RPE
Product Type:	Monoclonal Antibody
Clone:	HIT2
Isotype:	IgG1
Quantity:	100 TESTS/0.5ml

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	▪			Neat

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	Human		
Product Form	Purified IgG conjugated to R. Phycoerythrin (RPE) - liquid		
Max Ex/Em	Fluorophore	Excitation Max (nm)	Emission Max (nm)
	RPE 488nm laser	496	578
Preparation	Purified IgG prepared by affinity chromatography		
Buffer Solution	Phosphate buffered saline		
Preservative	0.09% sodium azide (NaN ₃)		
Stabilisers	0.2% bovine serum albumin		

External Database Links

UniProt:

[P28907](https://www.uniprot.org/entry/P28907)

[Related reagents](#)

Entrez Gene:

Specificity	Mouse anti Human CD38 antibody, clone HIT2 recognizes human ADP-ribosyl cyclase/cyclic ADP-ribose hydrolase 1, also known as CD38, 2'-phospho-ADP-ribosyl cyclase/2'-phospho-cyclic-ADP-ribose transferase, ADP-ribosyl cyclase 1 or T10. CD38 is a 300 amino acid ~45 kDa single pass type II transmembrane glycoprotein expressed by activated T cells and by plasma cells.
Flow Cytometry	Use 5µl of the suggested working dilution to label 10 ⁶ cells or 100µl whole blood
References	1. Summerhill, R.J. <i>et al.</i> (1993) Human lymphocyte antigen CD38 catalyzes the production of cyclic ADP-ribose. FEBS Lett. 335 (2): 231-3.
Storage	Store at +4°C. DO NOT FREEZE. This product should be stored undiluted. This product is photosensitive and should be protected from light. Should this product contain a precipitate we recommend microcentrifugation before use.
Guarantee	Guaranteed for 12 months from the date of despatch or until the date of expiry, whichever comes first. Please see label for expiry date.
Health And Safety Information	Material Safety Datasheet documentation #10041 available at: https://www.bio-rad-antibodies.com/SDS/MCA1718PE 10041
Regulatory	For research purposes only

Related Products

Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL:RPE \(MCA928PE\)](#)

Recommended Useful Reagents

[HUMAN SEROBLOCK \(BUF070A\)](#)

[HUMAN SEROBLOCK \(BUF070B\)](#)

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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](https://www.bio-rad-antibodies.com/datasheets)

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