

Datasheet: MCA1718C

Description:	MOUSE ANTI HUMAN CD38:RPE-Cy5
Specificity:	CD38
Format:	RPE-CY5
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 RPE - Cy5 - liquid		
Max Ex/Em	Fluorophore	Excitation Max (nm)	Emission Max (nm)
	RPE-Cy5 488nm laser	496	667
Preparation	Purified IgG prepared by affinity chromatography on Protein A		
Buffer Solution	Phosphate buffered saline		
Preservative	0.09% sodium azide (NaN ₃)		
Stabilisers	0.2% bovine serum albumin		
External Database Links	UniProt: P28907 Related reagents		
	Entrez Gene:		

RRID	AB_322667
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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.
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Flow Cytometry	Use 5µl of the suggested working dilution to label 10 ⁶ cells or 100µl whole blood
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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.
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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. Should this product contain a precipitate we recommend microcentrifugation before use.
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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.
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Acknowledgements	Cy and CyDye are trademarks of GE Healthcare
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Health And Safety Information	Material Safety Datasheet documentation #10041 available at: https://www.bio-rad-antibodies.com/SDS/MCA1718C 10041
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Regulatory	For research purposes only
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Related Products

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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