

Datasheet: MCA2521PE

Description:	MOUSE ANTI HUMAN CD92:RPE
Specificity:	CD92
Other names:	CTL1
Format:	RPE
Product Type:	Monoclonal Antibody
Clone:	VIM-15b
Isotype:	IgG2b
Quantity:	100 TESTS

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 - 1/10

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) - lyophilized		
Reconstitution	Reconstitute with 1.0ml distilled water		
Max Ex/Em	Fluorophore	Excitation Max (nm)	Emission Max (nm)
	RPE 488nm laser	496	578
Preparation	Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant		
Buffer Solution	Phosphate buffered saline		
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃)		
	1% Bovine Serum Albumin		
	5% Sucrose		
Immunogen	MV4-11 acute monocyte leukaemia cells.		
External Database Links	UniProt: Q8WWI5 Related reagents		

Entrez Gene:[23446](#) SLC44A1 [Related reagents](#)

Synonyms	CD92, CDW92, CTL1
Fusion Partners	Spleen cells from immunised Balb/c mice were fused with cells of the X63-Ag8.653 myeloma cell line.
Specificity	Mouse anti human CD92 antibody, clone VIM-15b recognizes the C-terminal variant of human CDw92 (isoform 3), also known as CTL1, a 70 kDa multi-pass membrane protein, expressed by monocytes, neutrophils, certain myeloid and T cell lines, and weakly by endothelial cells, fibroblasts and epithelial cells. CDw92 is a member of the choline transporter-like protein family, so called due to their involvement in the efficient supply/transport of the natural amine choline, a vital cell nutrient required for the synthesis of cell membrane phospholipid components and the neurotransmitter acetylcholine. Clone VIM-15b is reported to augment the LPS-induced production of IL-10 by monocyte-derived dendritic cells (Mo-DCs), and the reduced expression of CDw92 by Mo-DCs treated with ionomycin or calcium ionophore, can be reinduced in the presence of IL-10 (Wille, S. et al.). Removal of Sodium Azide is recommended prior to use in functional assays. Bio-Rad recommend the use of EQU003 for this purpose.
Flow Cytometry	Use 10ul of the suggested working dilution to label 1×10^6 cells in 100ul.
References	1. Wille, S. <i>et al.</i> (2001) Characterization of CDw92 as a member of the choline transporter-like protein family regulated specifically on dendritic cells. J Immunol. 167 (10): 5795-804. 2. Majdic, O. <i>et al.</i> (1995) Leucocyte Typing V. Oxford University Press, Oxford pp.984-5.
Further Reading	1. O'regan, S. <i>et al.</i> (2000) An electric lobe suppressor for a yeast choline transport mutation belongs to a new family of transporter-like proteins. Proc Natl Acad Sci U S A. 97 (4): 1835-40.
Storage	Prior to reconstitution store at +4°C. After reconstitution 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.
Shelf Life	12 months from date of reconstitution.
Health And Safety Information	Material Safety Datasheet documentation #10075 available at: 10075: https://www.bio-rad-antibodies.com/uploads/MSDS/10075.pdf
Regulatory	For research purposes only

Related Products

Recommended Negative Controls

[MOUSE IgG2b NEGATIVE CONTROL:RPE \(MCA691PE\)](#)

Recommended Useful Reagents

[HUMAN SEROBLOCK \(BUF070A\)](#)
[HUMAN SEROBLOCK \(BUF070B\)](#)

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