

## Datasheet: MCA2521PE

<b>Description:</b>	MOUSE ANTI HUMAN CD92:RPE
<b>Specificity:</b>	CD92
<b>Other names:</b>	CTL1
<b>Format:</b>	RPE
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	VIM-15b
<b>Isotype:</b>	IgG2b
<b>Quantity:</b>	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](http://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.

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

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

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<b>Synonyms</b>	CD92, CDW92, CTL1
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<b>RRID</b>	AB_1055685
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<b>Fusion Partners</b>	Spleen cells from immunised Balb/c mice were fused with cells of the X63-Ag8.653 myeloma cell line.
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<b>Specificity</b>	<p><b>Mouse anti human CD92 antibody, clone VIM-15b</b> 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.</p> <p>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.</p> <p>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 (<a href="#">Wille, S. et al.</a>). Removal of Sodium Azide is recommended prior to use in functional assays. Bio-Rad recommend the use of <a href="#">EQU003</a> for this purpose.</p>
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<b>Flow Cytometry</b>	Use 10ul of the suggested working dilution to label 1x10 <sup>6</sup> cells in 100ul.
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<b>References</b>	<ol style="list-style-type: none"><li>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. <a href="#">J Immunol. 167 (10): 5795-804.</a></li><li>2. Majdic, O. <i>et al.</i> (1995) Leucocyte Typing V. Oxford University Press, Oxford pp.984-5.</li></ol>
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<b>Further Reading</b>	<ol style="list-style-type: none"><li>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. <a href="#">Proc Natl Acad Sci U S A. 97 (4): 1835-40.</a></li></ol>
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<b>Storage</b>	<p>Prior to reconstitution store at +4°C.</p> <p>After reconstitution store at +4°C.</p> <p>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.</p>
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<b>Guarantee</b>	12 months from date of despatch
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<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10075 available at: 10075: <a href="https://www.bio-rad-antibodies.com/uploads/MSDS/10075.pdf">https://www.bio-rad-antibodies.com/uploads/MSDS/10075.pdf</a>
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<b>Regulatory</b>	For research purposes only
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## Related Products

### Recommended Negative Controls

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

## Recommended Useful Reagents

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

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

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