

## Datasheet: MCA2521T

**BATCH NUMBER 148091**

<b>Description:</b>	MOUSE ANTI HUMAN CD92
<b>Specificity:</b>	CD92
<b>Other names:</b>	CTL1
<b>Format:</b>	Purified
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	VIM-15b
<b>Isotype:</b>	IgG2b
<b>Quantity:</b>	25 µg

**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).

	<b>Yes</b>	<b>No</b>	<b>Not Determined</b>	<b>Suggested Dilution</b>
Flow Cytometry	▪			1/50 - 1/200
Immunohistology - Frozen	▪			
Immunohistology - Paraffin			▪	
ELISA			▪	
Immunoprecipitation	▪			
Western Blotting			▪	

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 - liquid
<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 Stabilisers</b>	0.09% Sodium Azide (NaN <sub>3</sub> )

<b>Carrier Free</b>	Yes
<b>Approx. Protein Concentrations</b>	IgG concentration 1.0mg/ml
<b>Immunogen</b>	MV4-11 acute monocyte leukaemia cells.
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">Q8WWI5</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">23446</a>    SLC44A1    <a href="#">Related reagents</a></p>
<b>Synonyms</b>	CD92, CDW92, CTL1
<b>RRID</b>	AB_1102462
<b>Fusion Partners</b>	Spleen cells from immunised Balb/c mice were fused with cells of the X63-Ag8.653 myeloma cell line.
<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.</p>
<b>Flow Cytometry</b>	Use 10ul of the suggested working dilution to label 1x10 <sup>6</sup> cells in 100ul.
<b>Histology Positive Control Tissue</b>	Human tonsil.
<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>
<b>Further Reading</b>	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.</a>

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<b>Storage</b>	Store at +4°C or at -20°C if preferred. Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.
<b>Guarantee</b>	12 months from date of despatch
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10040 available at: <a href="https://www.bio-rad-antibodies.com/SDS/MCA2521T">https://www.bio-rad-antibodies.com/SDS/MCA2521T</a> 10040
<b>Regulatory</b>	For research purposes only

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## Related Products

### Recommended Secondary Antibodies

Goat Anti Mouse IgG (STAR77...)	<a href="#">HRP</a>
Rabbit Anti Mouse IgG (STAR12...)	<a href="#">RPE</a>
Goat Anti Mouse IgG (STAR70...)	<a href="#">FITC</a>
Goat Anti Mouse IgG IgA IgM (STAR87...)	<a href="#">Alk. Phos.</a> , <a href="#">HRP</a>
Goat Anti Mouse IgG (STAR76...)	<a href="#">RPE</a>
Goat Anti Mouse IgG (H/L) (STAR117...)	<a href="#">Alk. Phos.</a> , <a href="#">DyLight®488</a> , <a href="#">DyLight®550</a> , <a href="#">DyLight®650</a> , <a href="#">DyLight®680</a> , <a href="#">DyLight®800</a> , <a href="#">FITC</a> , <a href="#">HRP</a>
Rabbit Anti Mouse IgG (STAR13...)	<a href="#">HRP</a>
Goat Anti Mouse IgG (Fc) (STAR120...)	<a href="#">FITC</a> , <a href="#">HRP</a>
Rabbit Anti Mouse IgG (STAR9...)	<a href="#">FITC</a>

### Recommended Negative Controls

[MOUSE IgG2b NEGATIVE CONTROL \(MCA691\)](#)

<b>North &amp; South America</b>	Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: <a href="mailto:antibody_sales_us@bio-rad.com">antibody_sales_us@bio-rad.com</a>	<b>Worldwide</b>	Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: <a href="mailto:antibody_sales_uk@bio-rad.com">antibody_sales_uk@bio-rad.com</a>	<b>Europe</b>	Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: <a href="mailto:antibody_sales_de@bio-rad.com">antibody_sales_de@bio-rad.com</a>
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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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Printed on 25 Mar 2023