

Datasheet: MCA2521A488

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| Description: | MOUSE ANTI HUMAN CD92:Alexa Fluor® 488 |
| Specificity: | CD92 |
| Other names: | CTL1 |
| Format: | ALEXA FLUOR® 488 |
| Product Type: | Monoclonal Antibody |
| Clone: | VIM-15b |
| Isotype: | IgG2b |
| Quantity: | 100 TESTS/1ml |

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.

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| Target Species | Human | | |
| Product Form | Purified IgG conjugated to Alexa Fluor®488 - liquid | | |
| Max Ex/Em | Fluorophore | Excitation Max (nm) | Emission Max (nm) |
| | Alexa Fluor®488 | 495 | 519 |
| Preparation | Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant | | |
| Buffer Solution | Phosphate buffered saline | | |
| Preservative | 0.09% Sodium Azide (NaN ₃) | | |
| Stabilisers | 1% Bovine Serum Albumin | | |
| Approx. Protein Concentrations | IgG concentration 0.05mg/ml | | |
| Immunogen | MV4-11 acute monocyte leukaemia cells. | | |
| External Database Links | UniProt: Q8WWI5 Related reagents | | |

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

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| Synonyms | CD92, CDW92, CTL1 |
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| RRID | AB_961482 |
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| Fusion Partners | Spleen cells from immunised Balb/c mice were fused with cells of the X63-Ag8.653 myeloma cell line. |
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| Specificity | <p>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.</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 (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.</p> |
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| Flow Cytometry | Use 10ul of the suggested working dilution to label 1x10 ⁶ cells in 100ul. |
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| References | <ol style="list-style-type: none">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. |
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| Further Reading | <ol style="list-style-type: none">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. |
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| Storage | <p>Store at +4°C or at -20°C if preferred.</p> <p>Storage in frost-free freezers is not recommended.</p> <p>This product should be stored undiluted. This product is photosensitive and should be protected from light. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.</p> |
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| Guarantee | 12 months from date of despatch |
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| Acknowledgements | <p>This product is provided under an intellectual property licence from Life Technologies Corporation. The transfer of this product is contingent on the buyer using the purchase product solely in research, excluding contract research or any fee for service research, and the buyer must not sell or otherwise transfer this product or its components for (a) diagnostic, therapeutic or prophylactic purposes; (b) testing, analysis or screening services, or information in return for compensation on a per-test basis; (c) manufacturing or quality assurance or quality control, or (d) resale, whether or not resold for use in research. For information on purchasing a license to this product for purposes other than as described above, contact Life Technologies Corporation, 5791 Van Allen Way, Carlsbad CA 92008 USA or outlicensing@thermofisher.com</p> |
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Health And Safety Information Material Safety Datasheet documentation #10041 available at:
10041: <https://www.bio-rad-antibodies.com/uploads/MSDS/10041.pdf>

Regulatory For research purposes only

Related Products

Recommended Negative Controls

[MOUSE IgG2b NEGATIVE CONTROL:Alexa Fluor® 488 \(MCA691A488\)](#)

Recommended Useful Reagents

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

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

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'M367109:200529'

Printed on 11 Aug 2020

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