

ARG23627 anti-CD92 / SLC44A1 antibody [VIM-15b] (PE)

Package: 50 tests

Store at: 4°C

Summary

Product Description	PE-conjugated Mouse Monoclonal antibody [VIM-15b] recognizes CD92 / SLC44A1. This product recognizes the C-terminal variant of human CDw92 (isoform 3), also known as CTL1, a 70kDa 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.
Tested Reactivity	Hu
Tested Application	FACS
Host	Mouse
Clonality	Monoclonal
Clone	VIM-15b
Isotype	IgG2b
Target Name	CD92 / SLC44A1
Species	Human
Immunogen	MV4-11 acute monocyte leukaemia cells.
Conjugation	PE
Alternate Names	CTL1; CD92; Choline transporter-like protein 1; CDw92; CDW92; CD antigen CD92; CHTL1; Solute carrier family 44 member 1

Application Instructions

Application table	<table><thead><tr><th>Application</th><th>Dilution</th></tr></thead><tbody><tr><td>FACS</td><td>Neat - 1:10</td></tr></tbody></table>	Application	Dilution	FACS	Neat - 1:10
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FACS	Neat - 1:10				
Application Note	FACS: Use 10 µl of the suggested working dilution to label 10 ⁶ cells in 100 µl. * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.				

Properties

Form	Liquid
Purification	Purification with Protein G.
Buffer	PBS, 0.09% Sodium azide, 1% BSA and 5% Sucrose.
Preservative	0.09% Sodium azide

Stabilizer	1% BSA and 5% Sucrose
Storage instruction	Aliquot and store in the dark at 2-8°C. Keep protected from prolonged exposure to light. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	SLC44A1
Gene Full Name	solute carrier family 44 (choline transporter), member 1
Function	Choline transporter. May be involved in membrane synthesis and myelin production. [UniProt]
Calculated Mw	73 kDa