

Anti-SLC44A1 monoclonal antibody, clone VIM-15b [R-PE] (CABT-46885MH)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Mouse anti human CD92 antibody, clone VIM-15b 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. Removal of Sodium Azide is recommended prior to use in functional assays. Flow Cytometry Use 10ul of the suggested working dilution to label 1x106 cells in 100ul.
Specificity	SLC44A1
Immunogen	MV4-11 acute monocyte leukaemia cells.
Isotype	IgG2b
Source/Host	Mouse
Species Reactivity	Human
Clone	VIM-15b
Conjugate	PE
Applications	FC
Format	Purified IgG conjugated to R. Phycoerythrin (RPE) - lyophilised

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Size	100 tests
Preservative	0.09% Sodium Azide
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.

GENE INFORMATION

Gene Name	SLC44A1 solute carrier family 44 (choline transporter), member 1 [Homo sapiens (human)]
Official Symbol	SLC44A1
Synonyms	SLC44A1; solute carrier family 44 (choline transporter), member 1; CD92; CTL1; CDW92; CHTL1; choline transporter-like protein 1; CDW92 antigen; solute carrier family 44, member 1;
Entrez Gene ID	23446
Protein Refseq	NP_001273659
UniProt ID	Q8WWI5
Chromosome Location	9q31.2
Pathway	Choline metabolism in cancer; Glycerophospholipid biosynthesis; Metabolism; Metabolism of lipids and lipoproteins; Phospholipid metabolism; SLC-mediated transmembrane transport; Synthesis of PC; Transmembrane transport of small molecules;
Function	choline transmembrane transporter activity;

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