

## Product datasheet for **AM05591RP-N**

### SLC44A1 Mouse Monoclonal Antibody [Clone ID: VIM-15b]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	VIM-15b
Applications:	FC
Recommended Dilution:	Flow Cytometry: 1/10.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG2b
Clonality:	Monoclonal
Immunogen:	MV4-11 acute monocyte leukaemia cells.
Specificity:	This antibody is specific for the C-terminal variant of human CDw92 (isoform 3), also known as CTL1. 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.
Formulation:	Phosphate buffered saline pH7.4 containing 0.09% Sodium Azide (NaN <sub>3</sub> ) and 1% Bovine Serum Albumin Label: PE State: Lyophilized purified IgG Label: R. Phycoerythrin (RPE)
Reconstitution Method:	Reconstitute with 1.0ml distilled water
Concentration:	lot specific
Purification:	Affinity chromatography on Protein G
Conjugation:	PE
Storage:	Prior to and following reconstitution store the antibody at 2-8°C. DO NOT FREEZE! This product is photosensitive and should be protected from light.
Stability:	Shelf life: one year from despatch.
Gene Name:	solute carrier family 44 member 1



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**Database Link:** [Entrez Gene 23446 Human](#)  
[Q8WWI5](#)

**Background:** CDw92 is 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.

**Synonyms:** CDw92, CTL1