

Monoclonal Antibody to CD92 / SLC44A1 - FITC

Alternate names:	CDw92, CTL1, Choline transporter-like protein 1, Solute carrier family 44 member 1
Catalog No.:	AM05591FC-N
Quantity:	0.1 mg
Concentration:	0,1 mg/ml
Background:	<p>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.</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>
Uniprot ID:	Q8WWI5
NCBI:	NP_536856.2
GeneID:	23446
Host / Isotype:	Mouse / IgG2b
Clone:	VIM-15b
Immunogen:	MV4-11 acute monocyte leukaemia cells.
Format:	<p>State: Liquid purified IgG</p> <p>Purification: Affinity chromatography on Protein G</p> <p>Buffer System: Phosphate buffered saline pH7.4 containing 0.09% Sodium Azide (NaN₃) and 1% Bovine Serum Albumin</p> <p>Label: FITC – Fluorescein Isothiocyanate Isomer 1</p>
Applications:	<p>Flow Cytometry: 1/5.</p> <p>Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.</p>
Specificity:	<p>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.</p> <p>Species: Human.</p> <p>Other species not tested.</p>

- Storage:** Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. This product is photosensitive and should be protected from light. Shelf life: one year from despatch.
- Caution:** (A full Health and Safety assessment is available upon request) This product contains Sodium Azide: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
- General Readings:**
1. Wille S, Szekeres A, Majdic O, Prager E, Staffler G, Stöckl J, et al. Characterization of CDw92 as a member of the choline transporter-like protein family regulated specifically on dendritic cells. *J Immunol.* 2001 Nov 15;167(10):5795-804. PubMed PMID: 11698453.
 2. O'Regan S, Traiffort E, Ruat M, Cha N, Compaore D, Meunier FM. 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.* 2000 Feb 15;97(4):1835-40. PubMed PMID: 10677542.
 3. Majdic, O. et al. (1995) *Leucocyte Typing V.* Oxford University Press, Oxford pp.984 - 985.

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Material Safety Datasheets are available at www.acris-antibodies.com or on request.

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