



1A-728-T100

Monoclonal Antibody to CD300e Allophycocyanin (APC) conjugated (100 tests)

Clone:	UP-H2
Isotype:	Mouse IgG1
Specificity:	The mouse monoclonal antibody UP-H2 recognizes CD300e / IREM-2, a 32 kDa glycoprotein expressed by mature monocytes and peripheral blood myeloid dendritic cells.
Regulatory Status:	RUO
Immunogen:	CD300e-HA-transfected cells
Species Reactivity:	Human
Preparation:	The purified antibody is conjugated with cross-linked Allophycocyanin (APC) under optimum conditions. The conjugate is purified by size-exclusion chromatography and adjusted for direct use. No reconstitution is necessary.
Storage Buffer:	The reagent is provided in stabilizing phosphate buffered saline (PBS) solution containing 15mM sodium azide.
Storage / Stability:	Store in the dark at 2-8°C. Do not freeze. Avoid prolonged exposure to light. Do not use after expiration date stamped on vial label.
Usage:	The reagent is designed for Flow Cytometry analysis of human blood cells using 10 µl reagent / 100 µl of whole blood or 10 ⁶ cells in a suspension. The content of a vial (1 ml) is sufficient for 100 tests.
Expiration:	See vial label
Lot Number:	See vial label
Background:	CD300e / IREM-2 (immune receptor expressed by myeloid cells 2), also known as CLM2 or LMIR6, is a monomeric transmembrane glycoprotein with a single extracellular immunoglobulin-like domain. Intracellularly it associates with DAP-12, an ITAM-containing adaptor molecule. CD300e is expressed on mature monocytes and peripheral blood myeloid dendritic cells. Its crosslinking leads to release of pro-inflammatory cytokines, and increased expression of activation markers.
References:	*Clark GJ, Ju X, Tate C, Hart DN: The CD300 family of molecules are evolutionarily significant regulators of leukocyte functions. Trends Immunol. 2009 May;30(5):209-17. *Aguilar H, Alvarez-Errico D, García-Montero AC, Orfao A, Sayós J, López-Botet M: Molecular characterization of a novel immune receptor restricted to the monocytic lineage. J Immunol. 2004 Dec 1;173(11):6703-11. *Brckalo T, Calzetti F, Pérez-Cabezas B, Borrás FE, Cassatella MA, López-Botet M: Functional analysis of the CD300e receptor in human monocytes and myeloid dendritic cells. Eur J Immunol. 2010 Mar;40(3):722-32.

Unless indicated otherwise, all products are For Research Use Only and not for diagnostic or therapeutic use. Not for resale or transfer either as a stand-alone product or as a component of another product without written consent of EXBIO. EXBIO will not be held responsible for patent infringement or other violations that may occur with the use of our products. All orders are accepted subject to EXBIO's term and conditions which are available at www.exbio.cz.

For laboratory research only, not for drug, diagnostic or other use.

EXBIO Praha | Nad Safinou II 341 | 252 50 Vestec u Prahy | Czech Republic
Tel: +420 261 090 666 | Fax: +420 261 090 660 | orders@exbio.cz | www.exbio.cz