

Product datasheet

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ARG65552 anti-CD300e antibody [UP-H2]

Package: 100 μg Store at: -20°C

Summary

Product Description Mouse Monoclonal antibody [UP-H2] recognizes CD300e

Tested Reactivity Hu

Tested Application FACS, FuncSt, IP, WB

Specificity The clone UP-H2 recognizes CD300e / IREM-2, a 32 kDa glycoprotein expressed by mature monocytes

and peripheral blood myeloid dendritic cells.

Host Mouse

Clonality Monoclonal

Clone UP-H2

Isotype IgG1

Target Name CD300e

Immunogen CD300e-HA-transfected cells

Conjugation Un-conjugated

Alternate Names Poly-Ig receptor 2; Immune receptor expressed on myeloid cells 2; IREM-2; CD300LE; CMRF35-A5; CD

antigen CD300e; CLM2; IREM2; CMRF35-like molecule 2; PIgR2; CLM-2; Polymeric immunoglobulin

receptor 2; PIgR-2; CD300 antigen-like family member E

Application Instructions

Application table	Application	Dilution
	FACS	1 - 4 μg/ml
	FuncSt	Assay-dependent
	IP	Assay-dependent
	WB	Assay-dependent
Application Note	Functional studies: Stimulation. * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

Properties

Form	Liquid

Purification Purified from hybridoma culture supernatant by protein-A affinity chromatography.

Purity > 95% (by SDS-PAGE)

Buffer PBS (pH 7.4) and 15 mM Sodium azide

Preservative 15 mM Sodium azide

Concentration 1 mg/ml

Storage instruction For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot

and store at -20°C or below. Storage in frost free freezers is not recommended. 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

Database links <u>GeneID: 342510 Human</u>

Swiss-port # Q496F6 Human

Gene Symbol CD300E

Gene Full Name CD300e molecule

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.

Function Probably acts as an activating receptor. [UniProt]

Research Area Immune System antibody

Calculated Mw 23 kDa

PTM N-glycosylated.