Datasheet for ABIN5526907

anti-CD300E antibody

2 Images

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Overview

Quantity:	0.1 mg
Target:	CD300E
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CD300E antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS), Immunoprecipitation (IP), Functional Studies (Func)

Product Details

Immunogen:	CD300e-HA-transfected cells
Clone:	UP-H2
Isotype:	IgG1 kappa
Specificity:	The mouse monoclonal antibody UP-H2 recognizes an extracellular epitope on CD300e / IREM-2, a 32 kDa glycoprotein expressed by mature monocytes and peripheral blood myeloid dendritic cells.
Cross-Reactivity (Details):	Human
Purification:	Purified by protein-A affinity chromatography.
Purity:	> 95 % (by SDS-PAGE)
Endotoxin Level:	Endotoxin level is less than 0.01 EU/µg of the protein, as determined by the LAL test.

Target Details

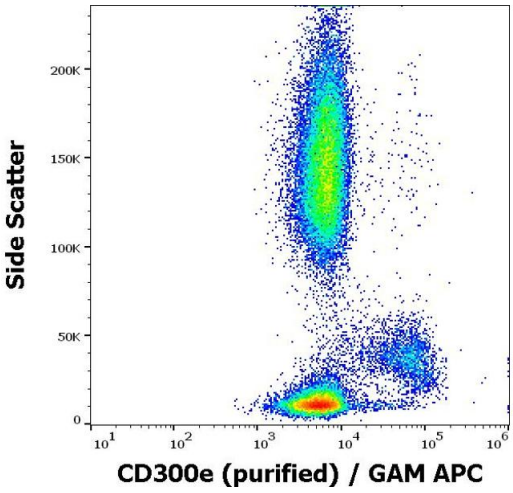
Target:	CD300E
Alternative Name:	CD300e (CD300E Products)
Background:	CD300e molecule,CD300e / IREM-2 (immune receptor expressed by myeloid cells 2), also known as CLM2 or LMIR6, is a monomeric transmembrane glycoprotein with a single extracellular immunoglobulin-like domain. Intracellularly it associates 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.,CLM2, CMRF35-A5, LMIR6, IREM-2, PIgR2
Gene ID:	342510
UniProt:	Q496F6

Application Details

Application Notes:	Functional application: Stimulation. Flow cytometry: Recommended dilution: 1-4 µg/mL
Restrictions:	For Research Use only

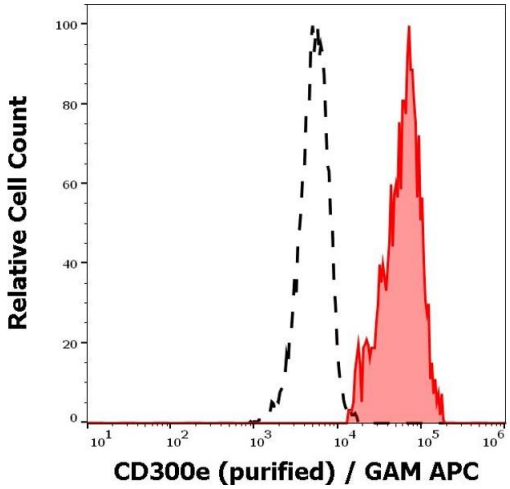
Handling

Concentration:	1 mg/mL
Buffer:	Phosphate buffered saline (PBS), pH 7.4
Preservative:	Azide free
Storage:	4 °C
Storage Comment:	Store at 2-8°C. Do not freeze.



Flow Cytometry

Image 1. Flow cytometry surface staining pattern of human peripheral whole blood stained using anti-human CD300e (UP-H2) purified antibody (concentration in sample 4 µg/mL, GAM APC).



Flow Cytometry

Image 2. Separation of human monocytes (red-filled) from CD300e negative lymphocytes (black-dashed) in flow cytometry analysis (surface staining) of human peripheral whole blood using anti-human CD300e (UP-H2) purified antibody (concentration in sample 4 µg/mL, GAM APC).