

## 30-1525F: FITC Conjugated Anti-CD300e / IREM-2 Monoclonal Antibody (Clone: UP-H2)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	UP-H2
<b>Application :</b>	FACS
<b>Reactivity :</b>	Human
<b>Conjugate :</b>	FITC
<b>Gene :</b>	CD300E
<b>Gene ID :</b>	342510
<b>Uniprot ID :</b>	Q496F6
<b>Format :</b>	Purified
<b>Alternative Name :</b>	CD300E,CD300LE,CLM2,CMRF35A5,IREM2
<b>Isotype :</b>	Mouse IgG1
<b>Immunogen Information :</b>	CD300e-HA-transfected cells

### Description

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.

### Product Info

<b>Amount :</b>	100 Tests
<b>Purification :</b>	Purified antibody is conjugated with fluorescein isothiocyanate (FITC) under optimum conditions and unconjugated antibody and free fluorochrome are removed by size-exclusion chromatography.
<b>Content :</b>	Stabilizing phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
<b>Storage condition :</b>	Store at 2-8°C protected from light. Do not freeze.

### Application Note

Flow cytometry: The reagent is designed for analysis of human blood cells using 4 µl reagent / 100 µl of whole blood or 106 cells in a suspension. The content of a vial (0.4 ml) is sufficient for 100 tests.

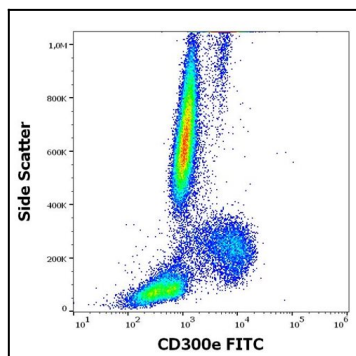


Figure 1: Flow cytometry surface staining pattern of human peripheral whole blood stained using anti-human CD300e (UP-H2) FITC antibody (4  $\mu$ l reagent / 100  $\mu$ l of peripheral whole blood).

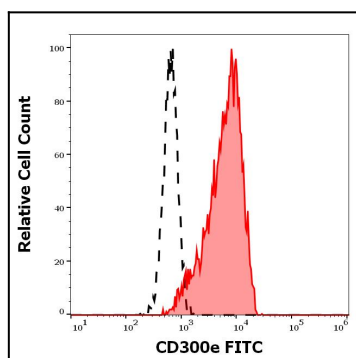


Figure 2: Separation of human monocytes (red-filled) from lymphocytes (black-dashed) in flow cytometry analysis (surface staining) of human peripheral whole blood stained using anti-human CD300e (UP-H2) FITC antibody (4  $\mu$ l reagent / 100  $\mu$ l of peripheral whole blood).