

## Product datasheet for **AM03062RP-N**

### CD300 antigen (CD300A) Mouse Monoclonal Antibody [Clone ID: MEM-260]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	MEM-260
Applications:	FC
Recommended Dilution:	Suitable for <b>Flow Cytometry</b> analysis of Human blood cells using 20 µl reagent / 100 µl of whole blood or 10 <sup>6</sup> cells in a suspension. The content of a vial (2 ml) is sufficient for 100 tests.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	HPB Human acute lymphoid leukemia cell line
Specificity:	The antibody reacts with CD300a, a 60 kDa leukocyte transmembrane glycoprotein expressed on human granulocytes, monocytes, neutrophils, NK cells, mast cells and dendritic cells, 25% of circulating T cells and 15% of circulating B cells.
Formulation:	Phosphate buffered saline (PBS) solution containing 15mM sodium azide Label: PE State: Liquid purified IgG fraction Label: Conjugated with R-Phycoerythrin under optimum conditions
Purification:	Size-Exclusion Chromatography
Conjugation:	PE
Storage:	Store the antibody in the dark at 2-8°C. <b>DO NOT FREEZE!</b> Avoid prolonged exposure to light.
Stability:	Shelf life: one year from despatch.
Gene Name:	CD300a molecule
Database Link:	<a href="#">Entrez Gene 11314 Human Q9UGN4</a>



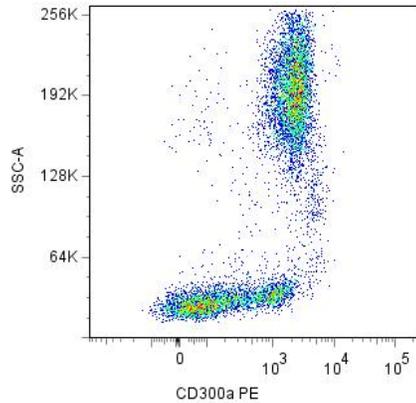
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**Background:**

CD300a (CMRF-35H, IRp60) is a non-MHC-specific inhibitory receptor of immunoglobulin superfamily, which contains three immunoreceptor tyrosine-based inhibitory motifs (ITIMs) that associate with SH2-containing phosphatases SHP-1 and SHP-2. CD300a is expressed on many cell types including T cells, NK cells, neutrophils, eosinophils or mast cells. Its triggering inhibits activating signals such as those of IL5, GM-CSF or eotaxin, as well as suppresses mast cell degranulation or NK cell cytotoxic activity.

**Synonyms:**

CLM-8, CMRF35-H, CMRF35-H9, CMRF-35-H9, IRC1/IRC2, IRp60

**Product images:**

Surface staining of human peripheral blood cells with anti-CD300a (MEM-260) PE.