

Anti-Hu CD300a Purified Monoclonal Antibody

Catalog Number: M05953

About CD300A

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.

Overview

Product Name	Anti-Hu CD300a Purified Monoclonal Antibody
Reactive Species	Human
Description	Boster Bio Anti-Hu CD300a Purified Monoclonal Antibody (Catalog# M05953). Tested in Flow Cytometry, WB application(s). This antibody reacts with Human.
Application	Flow Cytometry, WB
Clonality	Monoclonal MEM-260
Formulation	Phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Storage Instructions	Store at 2-8°C. Do not freeze.
Host	Mouse
Uniprot ID	Q9UGN4

Technical Details

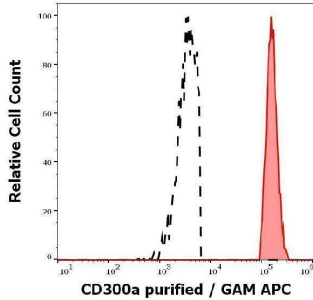
Immunogen	HPB human acute lymphoid leukemia cell line. The antibody MEM-260 reacts with an extracellular epitope of CD300a, a 60 kDa leukocyte transmembrane glycoprotein expressed on human granulocytes, monocytes, neutrophils, NK cells, mast cells and dendritic cells, 25% of circulating T cells and 15% of circulating B cells.
Predicted Reactive Species	Primate
Cross Reactivity	Cross-reactivity with CLIC5b was not determined.
Isotype	Mouse IgG1
Form	Liquid
Concentration	1 mg/ml
Purification	Purified by protein-A affinity chromatography.

Suggested Dilutions

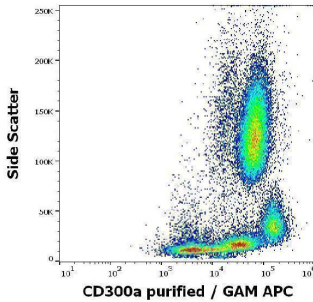
Flow cytometry: 2 ug/ml.

Western blotting: Positive material: HPB cell line, negative material: JURKAT human cell line, RAJI human cell line; non-reducing conditions.

Anti-Hu CD300a Purified Monoclonal Antibody (M05953) Images



Separation of human monocytes (red-filled) from CD300a negative lymphocytes (black-dashed) in flow cytometry analysis (surface staining) of human peripheral whole blood stained using anti-human CD300a (MEM-260) purified antibody (concentration in sample 4 µg/ml) GAM APC.



Flow cytometry surface staining pattern of human peripheral whole blood stained using anti-human CD300a (MEM-260) purified antibody (concentration in sample 4 µg/ml) GAM APC.

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