

ARG53826
anti-CD300a + CD300c antibody [MEM-260] (PE)Package: 100 tests
Store at: 4°C

Summary

Product Description	PE-conjugated Mouse Monoclonal antibody [MEM-260] recognizes CD300a + CD300c
Tested Reactivity	Hu
Tested Application	FACS
Specificity	The clone MEM-260 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.
Host	Mouse
Clonality	Monoclonal
Clone	MEM-260
Isotype	IgG1
Target Name	CD300a + CD300c
Species	Human
Immunogen	HPB human acute lymphoid leukemia cell line
Conjugation	PE
Alternate Names	CMRF-35-H9; Inhibitory receptor protein 60; NK inhibitory receptor; CMRF35-H; CMRF35H9; CD antigen CD300a; IRC1/IRC2; IGSF12; CMRF35H; IRp60; IgSF12; CMRF35-like molecule 8; CMRF35-H9; CMRF-35H; CD300 antigen-like family member A; CLM-8; IRC1; IRC2; Immunoglobulin superfamily member 12

Application Instructions

Application table	<table><thead><tr><th>Application</th><th>Dilution</th></tr></thead><tbody><tr><td>FACS</td><td>20 µl / 10⁶ cells</td></tr></tbody></table>	Application	Dilution	FACS	20 µl / 10 ⁶ cells
Application	Dilution				
FACS	20 µl / 10 ⁶ cells				
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.				

Properties

Form	Liquid
Purification Note	The purified antibody is conjugated with R-Phycoerythrin (PE) under optimum conditions. The conjugate is purified by size-exclusion chromatography and adjusted for direct use. No reconstitution is necessary.
Buffer	PBS, 15 mM Sodium azide and 0.2% (w/v) high-grade protease free BSA
Preservative	15 mM Sodium azide
Stabilizer	0.2% (w/v) high-grade protease free BSA
Storage instruction	Aliquot and store in the dark at 2-8°C. Keep protected from prolonged exposure to light. Avoid

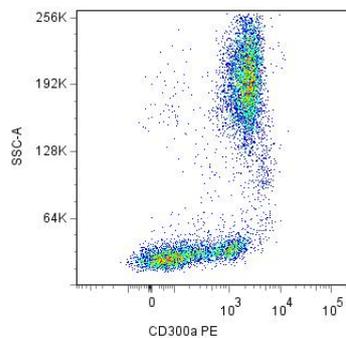
repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Database links	GeneID: 11314 Human Swiss-port # Q9UGN4 Human
Gene Symbol	CD300A
Gene Full Name	CD300a molecule
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 supresses mast cell degranulation or NK cell cytotoxic activity.
Function	Inhibitory receptor which may contribute to the down-regulation of cytolytic activity in natural killer (NK) cells, and to the down-regulation of mast cell degranulation. [UniProt]
Research Area	Immune System antibody
Calculated Mw	33 kDa
PTM	Phosphorylated on tyrosine. N-glycosylated.

Images



ARG53826 anti-CD300a + CD300c antibody [MEM-260] (PE) FACS image

Flow Cytometry: Human peripheral blood cells stained with ARG53826 anti-CD300a + CD300c antibody [MEM-260] (PE).