

Mouse CD300a Monoclonal Antibody | anti-CD300a antibody

MOUSE ANTI HUMAN CD300a:FITC

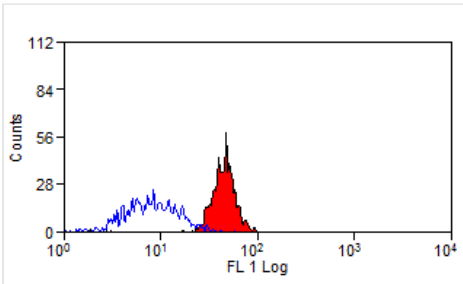
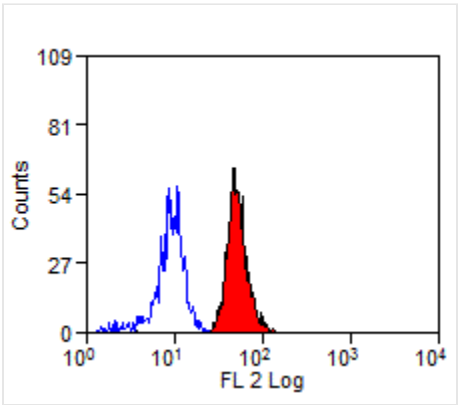
CATALOG # AAA50186	HOST Mouse	APPLICATIONS Flow Cytometry, Functional Assay
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PRODUCT SYNONYMS

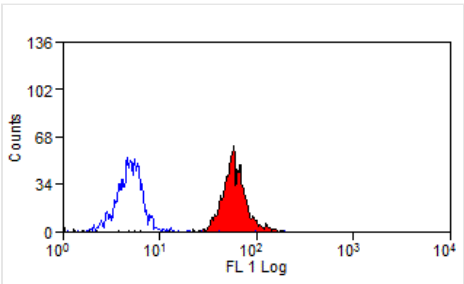
CD300a; Monoclonal Antibody; MOUSE ANTI HUMAN CD300a:FITC; anti-CD300a antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Clonality	Monoclonal
Isotype	IgG2a
Clone Number	P192
Form/Format	FITC Purified IgG conjugated to Fluorescein Isothiocyanate Isomer 1 (FITC) - liquid
Concentration	IgG concentration 0.1mg/ml (varies by lot)
Sequence Length	186
Applicable Applications for anti-CD300a antibody	FCM/FACS (Flow Cytometry)
Perservative Stabilisers	0.09% Sodium Azide (NaN ₃) Preparation
Immunogen	Polyclonal population of NK cells Fusion Partners
Target Species	Human
Preparation and Storage	Store at 4 degree C or -20 degree C. Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use. Shelf Life: 18 months from date of despatch.



Application Data
Human peripheral blood monocytes stained with Mouse anti Human CD300a:FITC (AAA50186)



Application Data
Human peripheral blood monocytes stained with Mouse anti Human CD300a followed by Rabbit F(ab')2 anti Mouse IgG:FITC

ADDITIONAL INFORMATION

Related Product Information for anti-CD300a antibody	Mouse anti Human CD300a antibody, clone P192 specifically recognizes human CD300a, otherwise known as IRp60 (inhibitory receptor protein 60), a 60kDa transmembrane glycoprotein expressed by natural killer cells (NK), T and B cell subsets, monocytes, neutrophils, macrophages, granulocytes, dendritic cells (DC) and mast cells. Studies have shown that the cross-linking of CD300a on NK results in a down-regulation of their cytolytic activity, whilst cross-linking of CD300a on mast cells, inhibits IgE-induced degranulation and SCF-mediated survival. Furthermore, cross-linking of CD300a on the surface of eosinophils has been shown to significantly inhibit their survival, chemotaxis and activation in response to certain inflammatory cytokines, whilst eosinophil-derived MBP (major basic protein) and EDN (neurotoxin), can down-regulate CD300a expression on mast cells in vitro.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	378786683
NCBI GeneID	11314
NCBI Accession #	NP_001243770.1
NCBI GenBank Nucleotide #	NM_001256841.1
UniProt Accession #	Q9UGN4; O95100; Q9HD97; Q9P0F3; Q9UBK4; Q9UMS9; Q9UMT0; A8MW96
Molecular Weight	16,517 Da
NCBI Official Full Name	CMRF35-like molecule 8 isoform 2
NCBI Official Synonym Full Names	CD300a molecule
NCBI Official Symbol	CD300A

NCBI Official Synonym Symbols	IRC1; IRC2; CLM-8; IRp60; IGSF12; CMRF35H; CMRF-35H; CMRF35-H; CMRF35H9; CMRF35-H9; IRC1/IRC2; CMRF-35-H9
NCBI Protein Information	CMRF35-like molecule 8; CD300 antigen-like family member A; CD300a antigen; CMRF35H leukocyte immunoglobulin-like receptor; NK inhibitory receptor; immunoglobulin superfamily member 12; inhibitory receptor protein 60; leukocyte membrane antigen
UniProt Protein Name	CMRF35-like molecule 8
UniProt Gene Name	CD300A
UniProt Synonym Gene Names	CMRF35H; IGSF12; CLM-8; CMRF35-H9; IgSF12; IRp60
UniProt Entry Name	CLM8_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/cd300a-antibody-clone-p192-flow-cytometry-elisa/50186>