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Datasheet for ABIN1819154
anti-CD300a antibody (FITC)

Overview

Quantity:	0.1 mg
Target:	CD300a (CD300A)
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CD300a antibody is conjugated to FITC
Application:	Flow Cytometry (FACS)

Product Details

Immunogen:	Polyclonal population of NK cells. Type of Immunogen: Cells
Clone:	P192
Isotype:	IgG2a
Specificity:	Recognizes human CD300a, otherwise known as IRp60 (inhibitory receptor protein 60), a 60kD 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

Product Details

protein) and EDN (neurotoxin), can down-regulate CD300a expression on mast cells in vitro.

Purification: Protein G purified

Target Details

Target: CD300a (CD300A)

Alternative Name: CD300A ([CD300A Products](#))

Background: Name/Gene ID: CD300A

Synonyms: CD300A, CD300a antigen, CD300a molecule, CMRF35-like molecule 8, CMRF35-H, CMRF35-H9, CLM-8, CMRF35H9, IGSF12, Inhibitory receptor protein 60, IRC2, IRC1, NK inhibitory receptor, CMRF-35-H9, CMRF-35H, CMRF35H, IRC1a, IRp60, Leukocyte membrane antigen

Gene ID: 11314

Pathways: [Regulation of Leukocyte Mediated Immunity](#), [Positive Regulation of Immune Effector Process](#)

Application Details

Application Notes: Approved: Flo

Usage: The applications listed have been tested for the unconjugated form of this product. Other forms have not been tested.

Comment: Target Species of Antibody: Human

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: Lot specific

Buffer: PBS, 1 % BSA, 0.09 % sodium azide

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling

Storage: 4 °C,-20 °C

Storage Comment: 4°C or -20°C, Avoid freeze-thaw cycles.