

## Anti-CD300A Antibody-PE (9F620)

## Product Details

Ig Type:	Mouse IgG1
Reactivity:	Human
Conjugation:	PE
Clone:	9F620
Purification:	Protein A

## Applications

Verified Activity:	Flow cytometric analysis of human CD300A expression on human whole blood monocytes. Human whole blood monocytes were stained with PE-conjugated anti-Human CD300A. The histogram were derived from gated events with the forward and side light-scatter characteristics of viable monocytes.
Application:	FCM
Recommended	5 µl/Test, 0.1 mg/ml

## Properties

Stability & Storage:	Store at 2°C-8°C for 12 months, do not freeze. Keep away from direct sunlight. Sodium azide is toxic to cells and should be disposed of properly. Flush with large volumes of water during disposal.
Shipping:	Shipping with blue ice.

## Antigen Details

Immunogen:	Recombinant Protein: Human CD300A protein (TMPY-02013)
Antigen Species:	Human
Synonyms:	CMRF-35H;IRC2;CD300a molecule;CLM-8;IRC1;CMRF-35-H9;CMRF35H;IGSF12;CMRF35-H9;CMRF35-H;IRC1/IRC2;IRp60;CMRF35H9
Biology Area:	ITIM/ITAM Immunoreceptors and Related Molecules

## Research Background

CMRF35-like molecule 8, also known as CD300 antigen-like family member A, CMRF35-H9, Immunoglobulin superfamily member 12, Inhibitory receptor protein 60, NK inhibitory receptor, CD300a and CMRF35H, is a single-pass type I membrane protein which belongs to the CD300 family. The CD300 family of myeloid immunoglobulin receptors includes activating ( CD300b, CD300e ) and inhibitory members ( CD300a, CD300f ), as well as molecules presenting a negative charge within their transmembrane domain ( CD300c, CD300d ). CD300A / IGSF12 is expressed not only by natural killer (NK) cells but also by T-cell subsets, B-cells, dendritic cells, mast cells, granulocytes and monocytes. It contains onelg-like V-type ( immunoglobulin-like ) domain. CD300A / IGSF12 is an inhibitory receptor that may contribute to the down-regulation of cytolytic activity in natural killer (NK) cells, and to the down-regulation of mast cell degranulation. CD300c is a functional immune receptor able to deliver activating signals upon ligation in RBL-2H3 mast cells. CD300c signaling is partially mediated by a direct association with the immune receptor tyrosine-based activation motif-bearing adaptor FcεRγ. CD300a and CD300c play an important role in the cross-regulation of TNF-alpha and IFN-alpha secretion from plasmacytoid dendritic cells (pDCs).

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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