

Recombinant Human CD300A Protein, His-tagged

Cat. No. CD300A-015H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CD300A Protein with His tag was expressed in E. coli.
Species	Human
Source	E.coli
Description	CD300a is an inhibitory receptor in the Ig superfamily, a type I transmembrane protein containing immunoreceptor tyrosine-based inhibitory motifs (ITIMs) on its cytoplasmic tail. Human CD300a (CMRF-35H, IRp60) and mouse CD300a (CLM-8, LMIR-1, MAIR-I) are functional orthologs, expressed by monocytes, granulocytes, mast cells, and subsets of B cells. Human, but not mouse, CD300a is also expressed by unstimulated NK cells and subsets of T cells. Phosphorylated ITIMs are able to recruit different phosphatases, such as SHP-1 and SHP-2, leading to inhibition of cell activation.
Molecular Mass	~23 kDa
AA Sequence	LSKCRTVAGPVGGSLSVQCPYEKEHRTL NKYWCRPPQIFLCDKIVETKGSAGKRNG RVSIRDSPANLSFTVTLENLTEEDAGTYWCGVDT PWLRDFHDPVVEVEVSVFPAST SMTPASITA AKTSTITTA FPPVSSTTLFAVGATHSASIQEETEEVNSQLP
Purity	Transferred into competent cells and the supernatant was purified by NI column affinity chromatography and the purity is > 85% (by SDS-PAGE).
Notes	For research use only, not for use in diagnostic procedure.

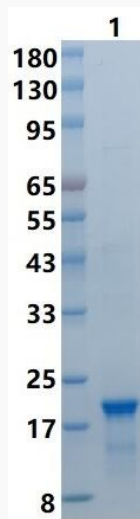
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Storage	Store at 4 centigrade short term. Aliquot and store at -20 centigrade long term. Avoid freeze-thaw cycles.
Storage Buffer	PBS, 4M Urea, pH7.4
GENE INFORMATION	
Gene Name	CD300A CD300a molecule [Homo sapiens (human)]
Official Symbol	CD300A
Synonyms	CD300A; CD300a molecule; CD300a antigen; CMRF35-like molecule 8; CMRF 35 H9; CMRF35H; IGSF12; IRC1; IRC2; Irp60; NK inhibitory receptor; leukocyte membrane antigen; inhibitory receptor protein 60; CD300 antigen-like family member A; immunoglobulin superfamily member 12; CMRF35H leukocyte immunoglobulin-like receptor; CLM-8; IRp60; CMRF-35H; CMRF35-H; CMRF35H9; CMRF35-H9; IRC1/IRC2; CMRF-35-H9;
Gene ID	11314
mRNA Refseq	NM_001256841
Protein Refseq	NP_001243770
MIM	606790
UniProt ID	Q9UGN4

SDS-PAGE



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