

Recombinant Human CD300C, Fc-tagged

Cat. No. CD300C-173H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CD300C /CLM-6 /IGSF16 Protein, With C-Fc Tag (rh CD300C /CLM-6 /IGSF16 Fc Chimera) Gly 21 - Arg 183 (Accession # AAH22279) was produced in human 293 cells (HEK293).
Species	Human
Source	HEK293
ProteinLength	21-183 a.a.
Description	CMRF35-like molecule 6 (CLM-6) is also known as CD300 antigen-like family member C, CMRF35-A1, Immunoglobulin superfamily member 16 (IgSF16) , CD antigen CD300c, which belongs to the CD300 family. CLM-6 contains one Ig-like V-type (immunoglobulin-like) domain. CD300a/c RNA and surface expression were downregulated after stimulation of plasmacytoid dendritic cells (pDCs) with TLR7 and TLR9 ligands. Exogenous interferon (IFN)-alpha down-regulated CD300a/c expression. CD300a and CD300c play an important role in the cross-regulation of TNF-alpha and IFN-alpha secretion from pDCs. CD300a and CD300c are indistinguishable on the surface of NK cells.
Form	Lyophilized from 0.22 µm filtered solution in 50 mM Tris, 100 mM glycine, pH7.5. Normally Mannitol or Trehalose are added as protectants before lyophilization.
Molecular Mass	rh CD300C /CLM-6 /IGSF16 Fc Chimera is fused with human IgG1 Fc tag at the C-terminus, and has a calculated MW of 44.5 kDa. The predicted N-terminus is Gly 21.

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	DTT-reduced Protein migrates as 60-70 kDa in SDS-PAGE due to glycosylation.
Endotoxin	Less than 1.0 EU per µg of the rh CD300C /CLM-6 /IGSF16 Fc Chimera by the LAL method.
Purity	>92% as determined by SDS-PAGE.
Storage	Avoid repeated freeze-thaw cycles.No activity loss was observed after storage at:In lyophilized state for 1 year (4oC); After reconstitution under sterile conditions for 3 months (-70oC).
Reconstitution	See Certificate of Analysis for reconstitution instructions and specific concentrations.

GENE INFORMATION

Gene Name	CD300C CD300c molecule [Homo sapiens]
Official Symbol	CD300C
Synonyms	CD300C; CD300c molecule; CD300c antigen; CMRF35-like molecule 6; CMRF 35A; CMRF35; CMRF35A; IGSF16; LIR; CMRF35 antigen; CD300 antigen-like family member C; immunoglobulin superfamily member 16; CMRF35 leukocyte immunoglobulin-like receptor; CMRF35A leukocyte immunoglobulin-like receptor; CLM-6; CMRF-35; CMRF-35A; CMRF35A1; CMRF35-A1;
Gene ID	10871
mRNA Refseq	NM_006678
Protein Refseq	NP_006669

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MIM	606786
UniProt ID	Q08708
Chromosome Location	17q25.2
Function	receptor activity; transmembrane signaling receptor activity;

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