

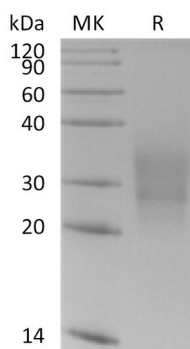
Product Name: Recombinant Human CD300a (C-6His)
Catalog #: PHH1093



Summary

Name	LMIR1/CD300A
Purity	Greater than 95% as determined by reducing SDS-PAGE
Endotoxin level	<1 EU/μg as determined by LAL test.
Construction	Recombinant Human Leukocyte Mono-Ig-like Receptor 1 is produced by our Mammalian expression system and the target gene encoding Leu18-Gln178 is expressed with a 6His tag at the C-terminus.
Accession #	Q9UGN4
Host	Human Cells
Species	Human
Predicted Molecular Mass	18.48 KDa
Formulation	Lyophilized from a 0.2 μm filtered solution of 20mM PB, 150mM NaCl, pH 7.2.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
Stability&Storage	Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
Reconstitution	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100μg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

SDS-PAGE image



Background

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Alternative Names

CMRF35-Like Molecule 8; CLM-8; CD300 Antigen-Like Family Member A; CMRF-35-H9; CMRF35-H9; CMRF35-H; IRC1/IRC2; Immunoglobulin Superfamily Member 12; IgSF12; Inhibitory Receptor Protein 60; IRp60; NK Inhibitory Receptor; CD300a; CD300A; CMRF35H; IGSF12

Background

CD300A is a single-pass type I membrane protein that belongs to the CD300 family. CD300A consists of a 163 amino acid (aa) extracellular domain (ECD) with one Ig-like V- type domain, a 21 amino acid transmembrane segment, and a 98 amino acid cytoplasmic domain with tyrosine residues. CD300A is expressed not only by natural killer (NK) cells but also by T-cell subsets, B-cells, dendritic cells, mast cells, granulocytes and monocytes. CD300A is an inhibitory receptor which may contribute to the down-regulation of cytolytic activity in natural killer (NK) cells, and to the down-regulation of mast cell degranulation.

Note

For Research Use Only , Not for Diagnostic Use.