

Product Name: Recombinant Mouse LMIR1 (C-Fc)
Catalog #: PHM1094

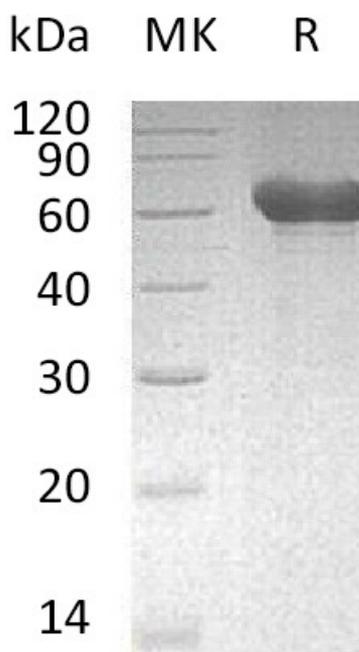


Summary

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 Mouse Leukocyte Mono-Ig-like Receptor 1 is produced by our Mammalian expression system and the target gene encoding Leu28-Arg183 is expressed with a human IgG1 Fc tag at the C-terminus.
Accession #	Q6SJQ0
Host	Human Cells
Species	Mouse
Predicted Molecular Mass	44.3 KDa
Formulation	Lyophilized from a 0.2 μm filtered solution of 20mM PB, 150mM NaCl, pH 7.4.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
Stability&Storage	Lyophilized protein should be stored at ≤ -20°C, stable for one year after receipt. Reconstituted protein solution can be stored at 2-8°C for 2-7 days. Aliquots of reconstituted samples are stable at ≤ -20°C for 3 months.
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

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Alternative Names

CD300a;CD300a antigen;CMRF35H9; CD300a molecule; leukocyte immunoglobulin-like receptor;CD300 antigen-like family member A; CMRF35-like molecule 8;NK inhibitory receptor; Immunoglobulin superfamily member 12; IRp60;Inhibitory receptor protein 60; CLM8; CMRF-35H; IGSF12; IRC1; IRC2; LMIR1;CLM-8;MAIR-I

Background

LMIR1, also termed CD300a, is a type I transmembrane glycoprotein with a single IgV-like extracellular domain and an extended membrane proximal region that links the immunoglobulin (Ig) and transmembrane domains and belongs to the immunoglobulin superfamily. The intracellular domain of LMIR1 contains several immunoreceptor tyrosine-based inhibition motifs (ITIMs). When cross-linked, it will be tyrosine phosphorylated and capable of recruiting tyrosine phosphatases (SHP-1, SHP-2) and inositol polyphosphate 5-phosphatase, SHIP. LMIR1 will regulate mast cell-mediated inflammatory responses. LMIR1 is broadly expressed on myeloid and lymphoid cells, and its expression is differentially regulated depending on the cell type.

Note

For Research Use Only , Not for Diagnostic Use.