

Recombinant Mouse Leukocyte Mono Ig-Like Receptor 1/LMIR1/CD300a Protein(C-Fc)

Cat.NO.: TP04828

3th Edition

Synonyms: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

Description: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.

Form:PBS

Molecular Weight:44.3 kDa

Sequences:Leu28-Arg183

Purity:> 95% by HPLC

Concentration:

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.