

## 32-8600: Recombinant Mouse Leukocyte Mono Ig-Like Receptor 1/LMIR1/CD300a (C-Fc)(Discontinued)

**Gene :** Cd300a  
**Gene ID :** 217303  
**Uniprot ID :** Q6SJQ0

### Description

Source: Human Cells.

MW :44.3kD.

Recombinant Mouse LMIR1 is produced by our Mammalian expression system and the target gene encoding Leu28-Arg183 is expressed with a Fc tag at the C-terminus. 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.

### Product Info

**Amount :** 10 µg / 50 µg

**Content :** Lyophilized from a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, pH 7.4.

**Storage condition :** Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.

**Amino Acid :** LHGPSTMSGVSGESLSVSCRYEEKFKTKDKYWCRVSLKILCKDIVKTSSEEARSGRVTIRDHPDNLFTVTYTES  
LTLEDADTYMCAVDISLFDGSLGFDKYFKIELSVVPSSEDPVSSPGPTLETPVVSTSLPTKGPALGSNTEGHREHD  
YSQGLRVDDIEGRMDEPKSCDKTHTCPPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVK  
FNWYVDGVEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQ  
VYTLPPSREEMTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTPPVLDSDGSFFLYSKLTVDKSRWQQG  
NVFSCSVMHEALHNHYTQKSLSLSPGK

### Application Note

**Endotoxin :** Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.