

## 32-7973: Recombinant Human Leukocyte Mono Ig-Like Receptor 1/LMIR1/CD300a (C-Fc-6His)(Discontinued)

**Gene :** CD300A  
**Gene ID :** 11314  
**Uniprot ID :** Q9UGN4

### Description

Source: Human Cells.

MW :45.4kD.

Recombinant Human LMIR1 is produced by our Mammalian expression system and the target gene encoding Leu18-Gln178 is expressed with a Fc, 6His tag at the C-terminus. CD300A is a single-pass type I membrane protein which belongs to the CD300 family. It contains 1 Ig-like V-type (immunoglobulin-like) domain. The CD300 family of myeloid immunoglobulin receptors includes activating (CD300b, CD300e) and inhibitory members (CD300a, CD300f), as well as molecules presenting a negative charge within their transmembrane domain (CD300c, CD300d). It 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. CD300c is a functional immune receptor able to deliver activating signals upon ligation in RBL-2H3 mast cells.

### Product Info

**Amount :** 6His) / 50 µg

**Content :** Lyophilized from a 0.2 µm filtered solution of 20mM Tris,150mM NaCl,5% Trehalose,pH 8.0.

**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 :** LSKCRTVAGPVGGSLSVQCPYEKEHRTLNKYWCRRPPQIFLCDKIVETKGSAGKRNGRVSIRDSPANLSFTVTLE  
NLTEEDAGTYWCGVDPWLRDFHDPVVEVEVSFPASTSMTPASITAAKTSTITTAFFPPVSSTTLFAVGATHSA  
SIQEETEEVVNSQVDDIEGRMDEPKSCDKTHTCPPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVDVSH  
EDPEVKFNWYVDGVEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKG  
QPREPQVYTLPPSREEMTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTTPVLDSDGSFFLYSKLTVDKS  
RWQQGNVFSCSVMHEALHNHYTQKSLSLSPGKHHHHHHH

### Application Note

Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 µg/ml. Dissolve the lyophilized protein in ddH<sub>2</sub>O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

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