

## 32-7517: Recombinant Human Leukocyte Mono Ig-Like Receptor 1/LMIR1/CD300a (C-6His)

**Gene :** CD300A

**Gene ID :** 11314

**Uniprot ID :** Q9UGN4

### Description

Source: Human Cells.

MW :18.48kD.

Recombinant Human LMIR1 is produced by our Mammalian expression system and the target gene encoding Leu18-Gln178 is expressed with a 6His tag at the C-terminus. 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.

### Product Info

**Amount :** 10 µg / 50 µg

**Content :** Lyophilized from a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, pH 7.2.

**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 :** LSKCRTVAGPVGGSLVQCPYEKEHRTLNKYWCRPPQIFLCDKIVETKGSAGKRNGRVSIRDSPANLSFTVTLE  
NLTEEDAGTYWCGVDTPWLRDFHDPVVEVSVFPASTSMTPASITAAKTSTITTAFFPPVSSTTLFAVGATHSA  
SIQEETEEVNSQVDHHHHHH

### 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.