

**Recombinant Human Leukocyte Mono Ig-Like Receptor 1/LMIR1/CD300a Protein(C-Fc-6His)**

**Cat.NO.: TP05159**

3th Edition

**Synonyms:**CMRF35-like molecule 8; CD300 antigen-like family member A; CMRF-35-H9; CMRF35-H; IRC1/IRC2; Immunoglobulin superfamily member 12; Inhibitory receptor protein 60; NK inhibitory receptor

**Description:**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.

**Form:**PBS

**Molecular Weight:**45.4 kDa

**Sequences:**Leu18-Gln178

**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.