

Product datasheet for **TP727332**

Cd300a Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Mouse Leukocyte Mono Ig-Like Receptor 1/LMIR1/CD300a (C-Fc)
Species:	Mouse
Expression cDNA Clone or AA Sequence:	Leu28-Arg183
Tag:	C-Fc
Buffer:	Lyophilized from a 0.2 um filtered solution of 20mM PB, 150mM NaCl, pH 7.4.
Note:	Recombinant Mouse Leukocyte mono-Ig-like receptor 1 is produced by our Mammalian expression system and the target gene encoding Leu28-Arg183 is expressed with a Fc tag at the C-terminus.
Stability:	12 months from date of despatch
Locus ID:	217303
UniProt ID:	Q6SJQ0
Summary:	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.



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