

## CD300a/LMIR1 Protein, Mouse (HEK293, His)

Cat. No.:	HY-P78266
Synonyms:	CMRF-35-H9; CMRF35-H9; CMRF35-H; IGSF12; IRp60; CLM-8; IRC1; IRC1/IRC2; IRC2; CD300a molecule; CD300a; CLM8; CMRF35HIRp60; LMIR1; MAIR-I; Mcipr1; NKRL; Pigr4
Species:	Mouse
Source:	HEK293
Accession:	Q6SJQ0 (L28-P185)
Gene ID:	217303
Molecular Weight:	35-50 kDa

### PROPERTIES

Appearance	Solution.
Formulation	Supplied as a 0.22 µm filtered solution of PBS, pH 7.4.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	N/A.
Storage & Stability	Stored at -80°C for 1 year. It is stable at -20°C for 3 months after opening. It is recommended to freeze aliquots at -80°C for extended storage. Avoid repeated freeze-thaw cycles.
Shipping	Shipping with dry ice.

### DESCRIPTION

Background	CD300a/LMIR1 protein serves as an inhibitory receptor that potentially contributes to the down-regulation of cytolytic activity in natural killer (NK) cells and the attenuation of mast cell degranulation. Additionally, it plays a negative regulatory role in Toll-like receptor (TLR) signaling, specifically mediated by MYD88 but not TRIF, by activating PTPN6. Upon tyrosine phosphorylation, CD300a/LMIR1 interacts with PTN6/SHP-1 and PTPN11/SHP-2, along with INPP5D.
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**Caution: Product has not been fully validated for medical applications. For research use only.**

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: [tech@MedChemExpress.com](mailto:tech@MedChemExpress.com)

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA