

CD300LB Protein, Human (133a.a, HEK293, Fc)

Cat. No.:	HY-P72774
Synonyms:	CD300b; CLM-7; CLM-7; CMRF35-A2; IREM-3; IREM3; TREM-5; TREM5; CD300LB
Species:	Human
Source:	HEK293
Accession:	AAH28091.1 (I55-H187)
Gene ID:	124599
Molecular Weight:	50-60 kDa

PROPERTIES

AA Sequence	<p>I Q G P E S V R A P E Q G S L T V Q C H Y K Q G W E T Y I K W W C R G V R W D T</p> <p>C K I L I E T R G S E Q G E K S D R V S I K D N Q K D R T F T V T M E G L R R D</p> <p>D A D V Y W C G I E R R G P D L G T Q V K V I V D P E G A A S T T A S S P T N S</p> <p>N M A V F I G S H K R N H</p>
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	CD300LB protein functions as an activating immune receptor, engaging in its immune-modulatory role through interaction with the ITAM-bearing adapter TYROBP and independently by recruiting GRB2. Its interaction with TYROBP not only enhances cell surface expression but also boosts activation properties. In the presence of FYN, CD300LB further interacts with GRB2, revealing a multifaceted mechanism through which this protein contributes to immune signaling pathways.
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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

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