

Datasheet for ABIN7319809  
**CD300LB Protein (Fc Tag)**[Go to Product page](#)

## 1 Image

## Overview

Quantity:	50 µg
Target:	CD300LB (TREM5)
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CD300LB protein is labelled with Fc Tag.

## Product Details

Purpose:	Recombinant Human CD300LB/LMIR5 (C-Fc)
Sequence:	Ile55-His187
Characteristics:	Recombinant Human CD300LB is produced by our Mammalian expression system and the target gene encoding Ile55-His187 is expressed with a Fc tag at the C-terminus.
Purity:	>95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

## Target Details

Target:	CD300LB (TREM5)
Alternative Name:	CD300LB/LMIR5 ( <a href="#">TREM5 Products</a> )
Background:	Background: CD300LB, also known as CD300b, LMIR5, CLM-7, and IREM-3, is a glycoprotein member of the immunoglobulin superfamily. LMIR5 is expressed on the surface of myeloid lineage cells. It forms noncovalent cis-homodimers and cis-heterodimers with other CD300

## Target Details

family proteins, and the composition of these dimers affects the cellular response. Antibody cross-linking of LMIR5 induces mast cell granule release and cytokine production as well as its tyrosine phosphorylation of LMIR5 (in human). LMIR5 interacts with TIM1 and TIM4 which regulate T cell activation and are themselves binding partners. TIM1 interactions with LMIR5 mediate mast cell activation and the accumulation of neutrophils at sites of TIM1 up-regulation on damaged renal tubule epithelial cells. Acts as an activating immune receptor through its interaction with ITAM-bearing adapter TYROBP, and also independently by recruitment of GRB2.

Synonym: CD300b, CLM-7, CLM-7, CMRF35-A2, IREM-3, IREM3, TREM-5, TREM5, CD300LB

Molecular Weight:	42.2 kDa
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## Application Details

Restrictions:	For Research Use only
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## Handling

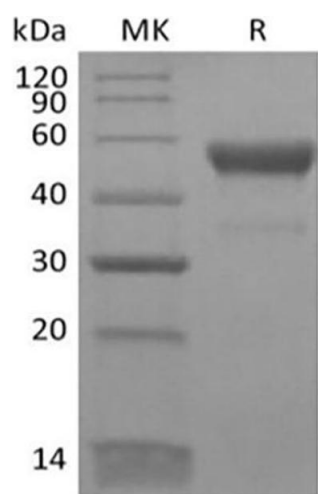
Format:	Lyophilized
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Reconstitution:	Please refer to the printed manual for detailed information.
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Buffer:	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.
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Storage:	4 °C,-20 °C,-80 °C
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Storage Comment:	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
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**Western Blotting**

**Image 1.**