

Human CD300LG/Nepmucin Protein

Cat. No. CD3-HM1LG

Description

Source	Recombinant Human CD300LG/Nepmucin Protein is expressed from HEK293 with His tag at the C-terminus. It contains Leu19-Arg247.
Accession	AAH25395
Molecular Weight	The protein has a predicted MW of 26.35 kDa. Due to glycosylation, the protein migrates to 60-80 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1EU per μg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC

Formulation and Storage

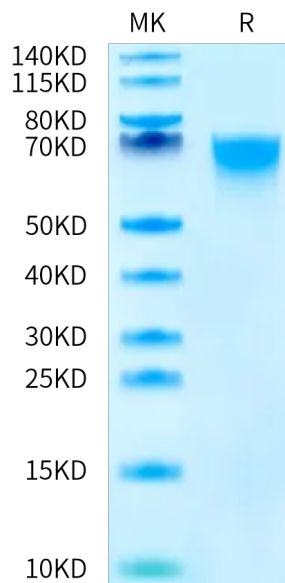
Formulation	Lyophilized from 0.22 μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 $\mu\text{g}/\text{ml}$ is recommended. Dissolve the lyophilized protein in distilled water.
Storage	-20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3-6 months after reconstitution. 2-8°C for 2-7 days after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

CD300LG is a novel O-glycosylated member of the CD300 antigen-like family. Besides a classical mucin-like domain, it contains a V-type Ig domain. CD300LG binds lymphocyte L-selectin via its Ig domain and supports lymphocyte rolling via its mucin-like domain. The unique structure and function of CD300LG suggest it may play an important role in inflammation.

Assay Data

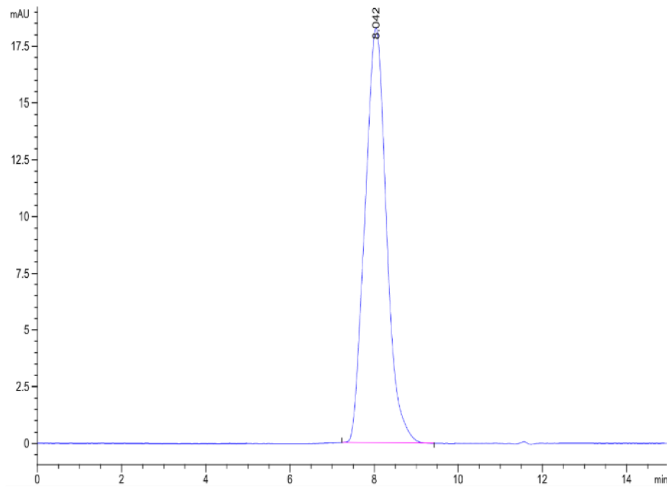
Bis-Tris PAGE



Human CD300LG on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC

Assay Data



The purity of Human CD300LG is greater than 95% as determined by SEC-HPLC.