

Unconjugated Mouse CD300LG / Nepmucin Protein, His,Avitag™, low endotoxin (MALS verified)

Catalog # CDG-M52E3



Synonyms

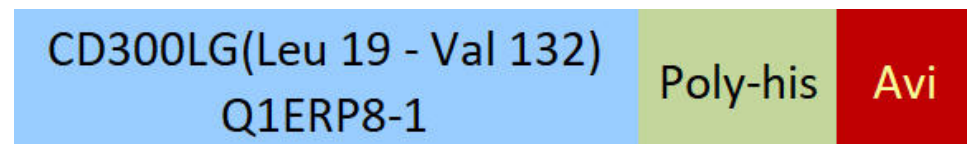
CD300LG, CLM9, TREM4, CD300g, Nepmucin

Source

Unconjugated Mouse CD300LG Protein, His,Avitag (CDG-M52E3) is expressed from human 293 cells (HEK293). It contains AA Leu 19 - Val 132 (Accession # [Q1ERP8-1](#)).

Predicted N-terminus: Leu 19

Molecular Characterization



This protein carries a polyhistidine tag at the C-terminus, followed by an Avi tag (Avitag™).

The protein has a calculated MW of 16.8 kDa. The protein migrates as 15-17 kDa when calibrated against [Star Ribbon Pre-stained Protein Marker](#) under reducing (R) condition (SDS-PAGE) due to glycosylation.

Endotoxin

Less than 0.01 EU per µg by the LAL method / rFC method.

Purity

>95% as determined by SDS-PAGE.

>95% as determined by SEC-MALS.

Formulation

Lyophilized from 0.22 µm filtered solution in PBS, pH7.4 with trehalose as protectant.

Contact us for customized product form or formulation.

Reconstitution

Please see Certificate of Analysis for specific instructions.

For best performance, we strongly recommend you to follow the reconstitution protocol provided in the CoA.

Shipping and Storage

This product is shipped at ambient temperature.

For long term storage, the product should be stored at lyophilized state at -20°C or lower.

Please avoid repeated freeze-thaw cycles.

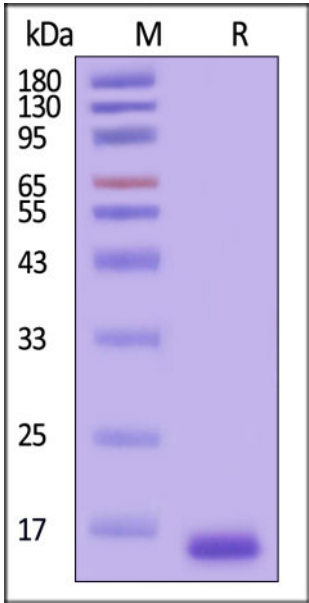
This product is stable after storage at:

- -20°C to -70°C for 12 months in lyophilized state;
- -70°C for 3 months under sterile conditions after reconstitution.

ACRO Quality Management System

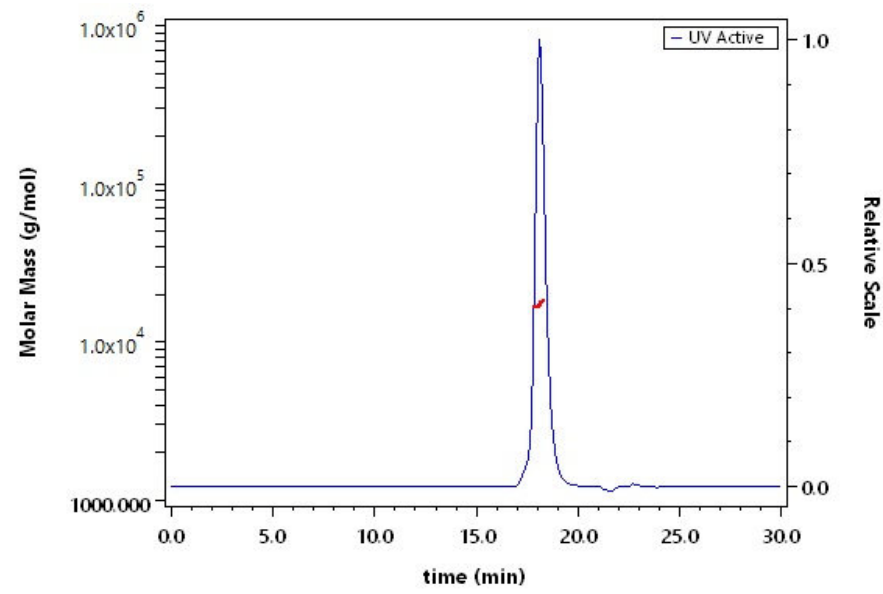
- [QMS\(ISO, GMP\)](#).
- [Quality Advantages](#)
- [Quality Control Process](#)

SDS-PAGE



Unconjugated Mouse CD300LG Protein, His,Avitag on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 95% (With [Star Ribbon Pre-stained Protein Marker](#)).

SEC-MALS



The purity of Unconjugated Mouse CD300LG Protein, His,Avitag (Cat. No. CDG-M52E3) is more than 95% and the molecular weight of this protein is around 16-24 kDa verified by SEC-MALS.

Background

CMRF35-like molecule 9 (CLM-9) is also known as CD300 antigen-like family member G (CD300LG or CD300g), Nepmucin, Triggering receptor expressed on myeloid cells 4 (TREM-4), which belongs to the CD300 family. CD300LG contains one Ig-like V-type (immunoglobulin-like) domain. CD300LG is highly expressed in heart, skeletal muscle and placenta. CD300LG is a receptor which may mediate L-selectin-dependent lymphocyte rollings. CD300LG binds SELL in a calcium dependent manner and also binds lymphocyte.



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