

Human NTB-A / SLAMF6 Protein, Fc Tag (MALS verified)

Catalog # NTA-H5253



Synonyms

NTB-A, SLAMF6, Ly108, NK-T-B-antigen, CD352, KALI

Source

Human NTB-A Protein, Fc Tag (NTA-H5253) is expressed from human 293 cells (HEK293). It contains AA Gln 22 - Met 226 (Accession # [Q96DU3-1](#)).

Predicted N-terminus: Gln 22

Molecular Characterization

NTB-A (Gln 22 - Met 226) Q96DU3-1	Fc (Pro 100 - Lys 330) P01857-1
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This protein carries a human IgG1 Fc tag at the C-terminus.

The protein has a calculated MW of 49.5 kDa. The protein migrates as 50-65 kDa when calibrated against [Star Ribbon Pre-stained Protein Marker](#) under reducing (R) condition (SDS-PAGE) due to glycosylation.

The protein is designed as a dimer.

Endotoxin

Less than 1.0 EU per µg by the LAL method / rFC method.

Purity

>90% 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.

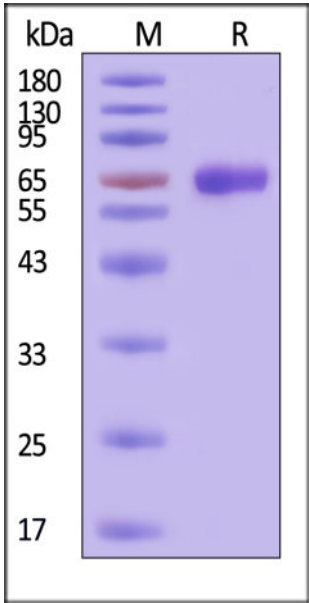
This product is stable after storage at:

- -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

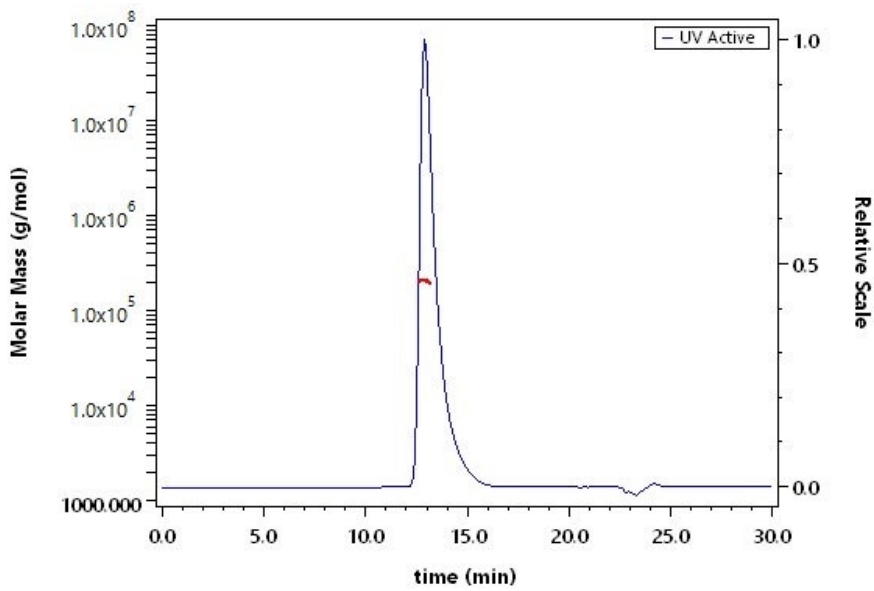
- [QMS\(ISO, GMP\)](#).
- [Quality Advantages](#)
- [Quality Control Process](#)

SDS-PAGE



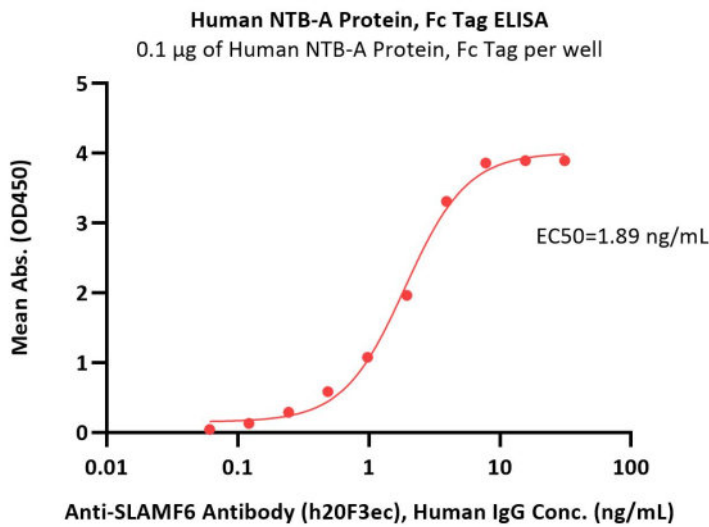
Human NTB-A Protein, Fc Tag on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 90% (With [Star Ribbon Pre-stained Protein Marker](#)).

SEC-MALS



The purity of Human NTB-A Protein, Fc Tag (Cat. No. NTA-H5253) is more than 95% and the molecular weight of this protein is around 190-250 kDa verified by SEC-MALS.

Activity-ELISA



Immobilized Human NTB-A Protein, Fc Tag (Cat. No. NTA-H5253) at 1 µg/mL (100 µL/well) can bind Anti-SLAMF6 Antibody (h20F3ec), Human IgG with a linear range of 0.06-4 ng/mL (QC tested).

Background

The SLAM family of receptors is composed of six members named SLAM (CD150); 2B4 (CD244); Ly-9 (CD229); CD84; natural killer, T and B cell antigen (NTB-A; Ly108 in the mouse. Most, if not all, immune cell types express more than one SLAM family receptor. All six SLAM-related genes are located within a 400–500 kilobase (kb) genomic segment on chromosome 1 in humans and mice. This feature implies that the genes that encode the SLAM family were created by serial gene duplication.

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