



## Synonym

BTLA,CD272

## Source

Biotinylated Human BTLA (31-150), Fc,Avitag(BTA-H82F3) is expressed from human 293 cells (HEK293). It contains AA Lys 31 - Ser 150 (Accession # [AAP44003.1](#)).

Predicted N-terminus: Lys 31

## Molecular Characterization

BTLA(Lys 31 - Ser 150) AAP44003.1	Fc(Pro 100 - Lys 330) P01857	Avi
--------------------------------------	---------------------------------	-----

This protein carries a human IgG1 Fc tag at the C-terminus, followed by an Avi tag (Avitag™).

The protein has a calculated MW of 42.5 kDa. The protein migrates as 55-66 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

## Labeling

*Biotinylation of this product is performed using Avitag™ technology. Briefly, the single lysine residue in the Avitag is enzymatically labeled with biotin.*

## Protein Ratio

Passed as determined by the HABA assay / binding ELISA.

## Endotoxin

Less than 1.0 EU per µg by the LAL method.

## Purity

>95% as determined by SDS-PAGE.

## Formulation

Lyophilized from 0.22 µm filtered solution in Tris with Glycine, Arginine and NaCl, pH7.5 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.*

## Storage

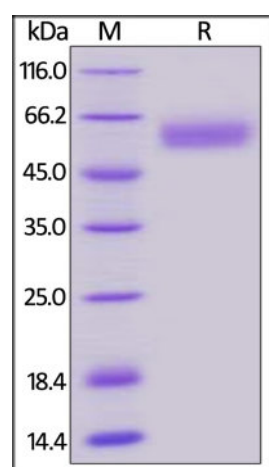
For long term storage, the product should be stored at lyophilized state at -20°C or lower.

*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.

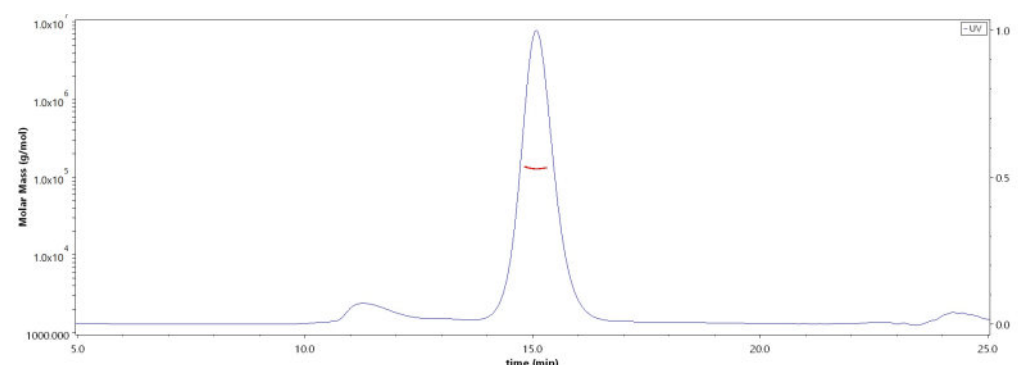
## SDS-PAGE



Biotinylated Human BTLA (31-150), Fc,Avitag on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 95%.

## Bioactivity-ELISA

## SEC-MALS



The purity of Biotinylated Human BTLA (31-150), Fc,Avitag (Cat. No. BTA-H82F3) is more than 80% and the molecular weight of this protein is around 115-145 kDa verified by SEC-MALS.

[Report](#)

Discounts, Gifts,  
and more!

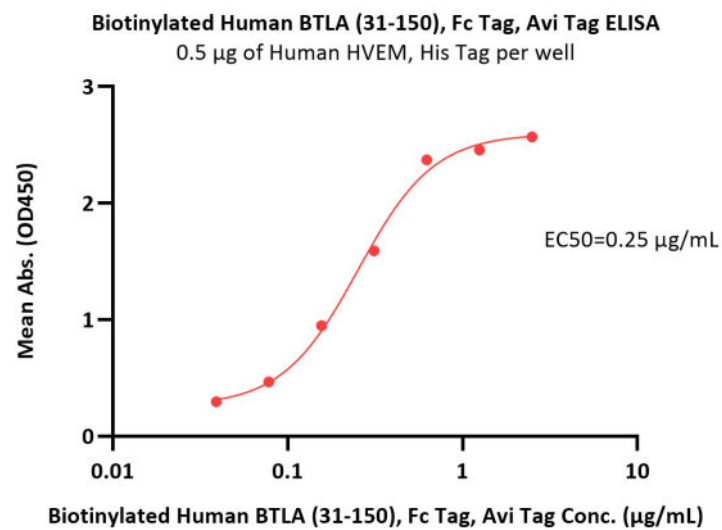


# Biotinylated Human BTLA (31-150) Protein, Fc,Avitag™ (MALS verified)

Catalog # BTA-H82F3



BIOSYSTEMS  
**Acro**



Immobilized Human HVEM, His Tag (Cat. No. HVM-H52E9) at 5 µg/mL (100 µL/well) can bind Biotinylated Human BTLA (31-150), Fc,Avitag (Cat. No. BTA-H82F3) with a linear range of 0.02-0.625 µg/mL (QC tested).

## Background

B- and T-lymphocyte attenuator (BTLA) is also known as B- and T-lymphocyte-associated protein, CD antigen CD272. BTLA contains one Ig-like V-type (immunoglobulin-like) domain. As a lymphocyte inhibitory receptor, BTLA / CD272 inhibits lymphocytes during immune response. BTLA / CD272 can interact with tyrosine phosphatases PTPN6/SHP-1 and PTPN11/SHP-2, and interact with TNFRSF14/HVEM.

## Clinical and Translational Updates

Discounts, Gifts,  
and more!



➤ [www.acrobiosystems.com](http://www.acrobiosystems.com)

4/30/2024