

# Biotinylated Recombinant Human BTLA/CD272 Protein

Catalog No.: RP02572B **Recombinant**

## Sequence Information

Species	Gene ID	Swiss Prot
Human	151888	Q7Z6A9-1

### Tags

C-His&amp;Avi

### Synonyms

CD272; BTLA; BTLA1; FLJ16065;  
MGC129743

## Product Information

Source	Purification
HEK293 cells	> 95% by Tris-Bis PAGE and HPLC

### Endotoxin

&lt; 1 EU/μg of the protein by LAL method.

### Formulation

Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4. Normally 8% trehalose is added as protectant before lyophilization. Contact us for customized product form or formulation.

### Reconstitution

Centrifuge the tube before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

## Contact

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## Background

B- and T-lymphocyte attenuator (BTLA; CD272) is a 35 kDa type I transmembrane glycoprotein in the CD28 family of T cell costimulatory molecules. BTLA is an inhibitory receptor on lymphocytes that negatively regulates antigen receptor signaling via PTPN6/SHP-1 and PTPN11/SHP-2. BTLA may interact in cis (on the same cell) or in trans (on other cells) with TNFRSF14.

## Basic Information

### Description

Biotinylated Recombinant Human BTLA/CD272 Protein is produced by Expi293 expression system. The target protein is expressed with sequence (Lys31-Ser150) of Human BTLA/CD272 fused with His tag and Avi tag at the C-terminus.

### Bio-Activity

#### Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80°C up to 1 year from the date of receipt.

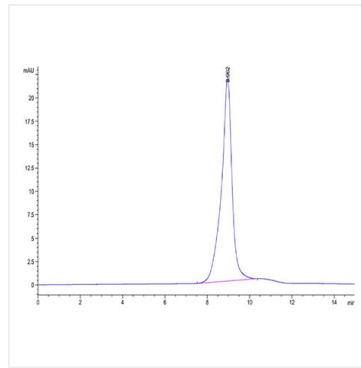
After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

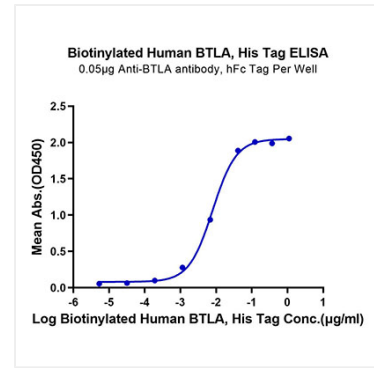
## Validation Data



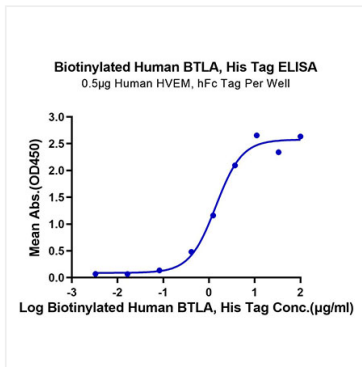
Biotinylated Human BTLA on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.



The purity of Biotinylated Human BTLA is greater than 95% as determined by SEC-HPLC



Immobilized Anti-BTLA Antibody, hFc Tag at 0.5µg/ml (100µl/well) on the plate. Dose response curve for Biotinylated Human BTLA, His Tag with the EC<sub>50</sub> of 8.0ng/ml determined by ELISA.



Immobilized Human HVEM, hFc Tag at 5µg/ml (100µl/Well) on the plate. Dose response curve for Biotinylated Human BTLA, His Tag with the EC<sub>50</sub> of 1.4µg/ml determined by ELISA.