

# Biotinylated Recombinant Human BTLA/CD272 Protein

**Catalog No.: RP02572B**

## Sequence Information

|                   |                |
|-------------------|----------------|
| <b>Species</b>    | <b>Gene ID</b> |
| Human             | 151888         |
| <b>Swiss Prot</b> | <b>Tags</b>    |
| Q7Z6A9-1          | C-His&Avi      |

## Synonyms

CD272; BTLA; BTLA1; FLJ16065; MGC129743

## Product Information

|               |                                                                      |
|---------------|----------------------------------------------------------------------|
| <b>Source</b> | <b>Purification</b>                                                  |
| HEK293 cells  | ≥ 95 % as determined by Tris-Bis PAGE; ≥ 95 % as determined by HPLC. |

## Calculated MW Observed MW

16.7 kDa      38-50 kDa

## Endotoxin

< 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.

## 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 a 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.

### Activity

### Shipping

Lyophilized proteins are shipped at ambient temperature. Liquid proteins are shipped at frozen temperature with dry ice. Upon receipt, store it immediately at the temperature recommended below.

### Storage

Store at -20°C

### Operational Notes

For your safety and health, please wear a lab coat and disposable gloves for handling.

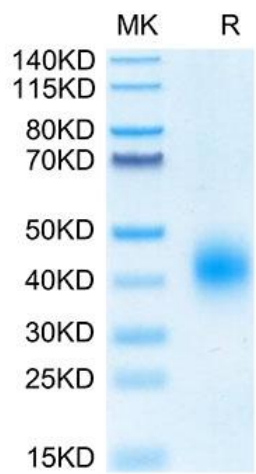
## Contact

☎ | 400-999-6126

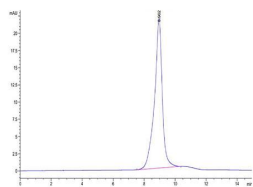
✉ | [cn.market@abclonal.com.cn](mailto:cn.market@abclonal.com.cn)

🌐 | [www.abclonal.com.cn](http://www.abclonal.com.cn)

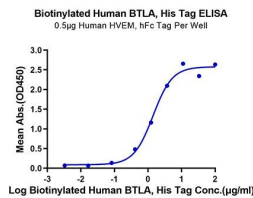
Validation Data



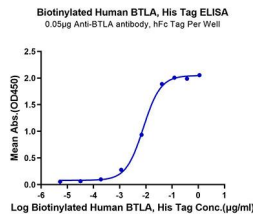
Biotinylated Recombinant Human BTLA/CD272 Protein was determined by Tris-Bis PAGE under reducing conditions.



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



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.



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.