

RP02572B

Leader in Biomolecular Solutions for Life Science



Biotinylated Recombinant Human BTLA/CD272 Protein

Catalog No.: RP02572B

Recombinant

Sequence Information

Species	Gene ID	Swiss Prot
HEK293 cells	151888	Q7Z6A9-1

Tags

C-His&Avi

Synonyms

CD272; BTLA; BTLA1; FLJ16065; MGC129743

Product Information

Source

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.

Purification

≥ 95 % as determined by Tris-Bis PAGE; ≥ 95 % as determined by HPLC.

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

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.

Bio-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.

Operational Notes

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

Storage

Store at -20°C
Avoid repeated freeze/thaw cycles.

customized product form or formulation.

Reconstitution

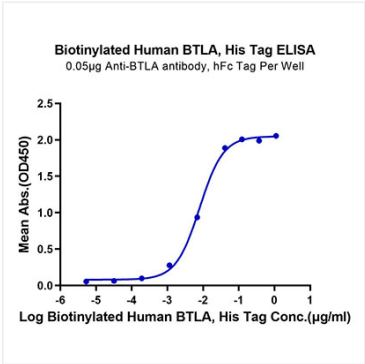
Centrifuge the tube before opening.
Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot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

Contact

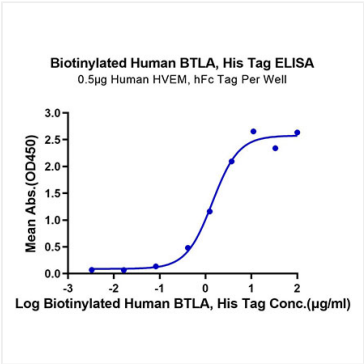


www.abclonal.com

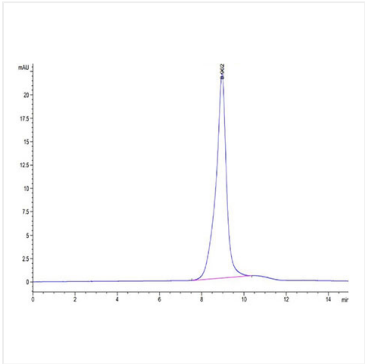
Validation Data



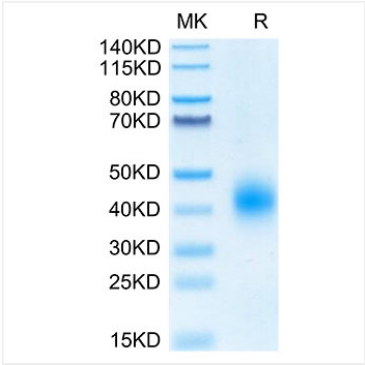
Immobilized Anti-BTLA Antibody, hFc Tag at 0.5µg/ml (100µl/well) on the plate. Dose response curve for Biotinylated Human BTLA, His Tag with the EC₅₀ of 8.0ng/ml determined by ELISA.



Immobilized Human HVEM, hFc Tag at 5µg/ml (100µl/Well) on the plate. Dose response curve for Biotinylated Human BTLA, His Tag with the EC₅₀ of 1.4µg/ml determined by ELISA.



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



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