

Biotinylated Recombinant Human B7-H2/ICOSLG/CD275 www.abclonal.com Protein

Catalog No.: RP02576B Recombinant

Sequence Information

Species Gene ID Swiss Prot Human 23308 075144

Tags C-His&Avi

Synonyms

CD275; B7H2; B7-H2; B7RP-1; GL50; ICOSL; ICOS-L; ICOSLG; B7RP1; LICOS; ICOS ligand; B7-H2B7-related protein 1; B7RP-1; B7RP1B7-like protein GI50

Product Information

Source Purification HEK293 cells ≥ 95 % as

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

HPLC.

Calculated MW Observed MW

29.5 kDa 55-70 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 stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Contact

a 400-999-6126

Background

B7-H2, also known as B7-related protein (B7RP1), ICOS Ligand, and CD275, is an approximately 60 kDa transmembrane glycoprotein in the B7 family of immune regulatory molecules. B7-H2 is a ligand for the T-cell-specific cell surface receptor ICOS. Acts as a costimulatory signal for T-cell proliferation and cytokine secretion; induces also B-cell proliferation and differentiation into plasma cells.

Basic Information

Description

Biotinylated Recombinant Human B7-H2/ICOSLG Protein is expressed from Expi293 with His tag and Avi tag at the C-terminal. [It contains Asp19-Ser258.

Bio-Activity

Shipping

The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

Storage

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

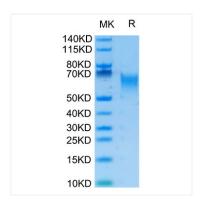
After reconstitution, the protein solution is stable at -20 $^{\circ}$ C for 3 months, at 2-8 $^{\circ}$ C for up to 1 week.

Avoid repeated freeze/thaw cycles.

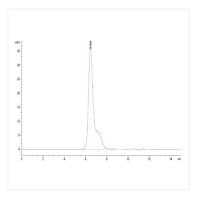
Operational Notes

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

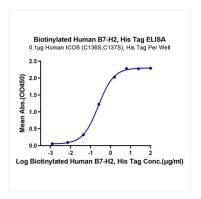
Validation Data



Biotinylated Recombinant Human B7-H2/ICOSLG/CD275 Protein was determined by Tris-Bis PAGE under reducing conditions.



The purity of Biotinylated Human B7-H2 is greater than 95% as determined by SEC-HPLC.



Immobilized Human ICOS (C136S,C137S) , His Tag at 1µg/ml (100µl/Well) on the plate. Dose response curve for Biotinylated Human B7-H2, His Tag with the EC $_{50}$ of 0.24µg/ml determined by ELISA.