

RP02576

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Biotinylated Recombinant Human B7-H2/ICOSLG/CD275 Protein

Catalog No.: RP02576

Recombinant

Sequence Information

Species	Gene ID	Swiss Prot
Human		O75144

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

HEK293 cells

Purification

> 95% as determined by Tris-Bis PAGE > 95% as determined by HPLC

Endotoxin

Less than 1EU per µg by the LAL method.

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 freeze-thaw cycles.

Contact



www.abclonal.com

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

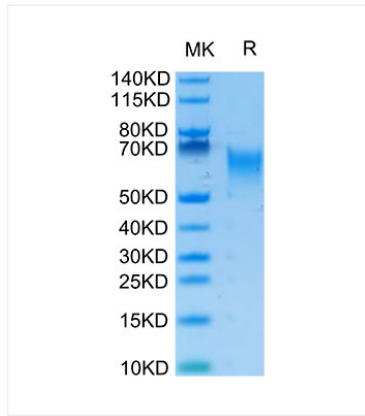
Recombinant Biotinylated Human B7-H2/ICOSLG Protein is expressed from Expi293 with His tag and Avi tag at the C-terminal. It contains Asp19-Ser258.

Bio-Activity

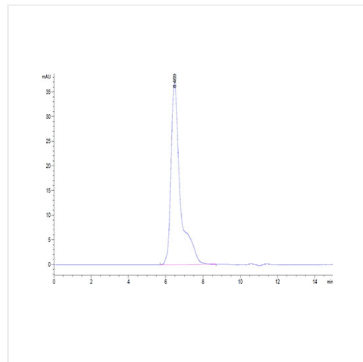
Storage

Store the lyophilized protein at -20°C to -80°C for long term. 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.

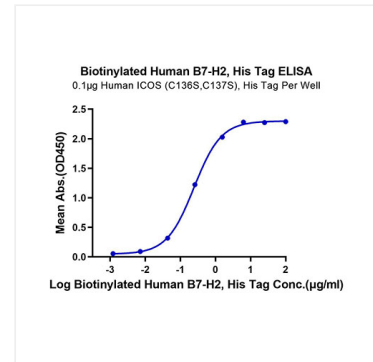
Validation Data



Biotinylated Human B7-H2 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.



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.