

Recombinant Human B7-H7/HHLA2 Protein

Catalog No.: RP02675

Sequence Information

Species	Gene ID
Human	11148
Swiss Prot	Tags
Q9UM44-1	C-His

Synonyms

B7H7; B7-H7; HHLA2; B7
Homolog 7

Product Information

Source	Purification
HEK293 cells	≥ 95 % as determined by Tris-Bis PAGE; ≥ 95 % as determined by HPLC.

Calculated MW Observed MW

38.1 kDa 50-70 kDa

Endotoxin

< 1 EU/μg of the protein by 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 free-thaw cycles.

Background

B7-H7, also known as HHLA2 (HERV-H LTR-associating 2), is a member of the B7 family of immune regulatory proteins. Through interaction with TMIGD2, costimulates T-cells in the context of TCR-mediated activation. Enhances T-cell proliferation and cytokine production via an AKT-dependent signaling cascade.

Basic Information

Description

Recombinant Human B7-H7/HHLA2 Protein is expressed from Expi293 with His tag at the C-terminal.; It contains Ile23-Asn344.

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.

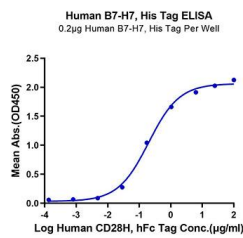
Contact

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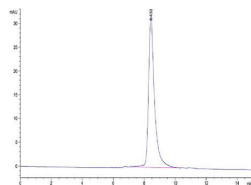
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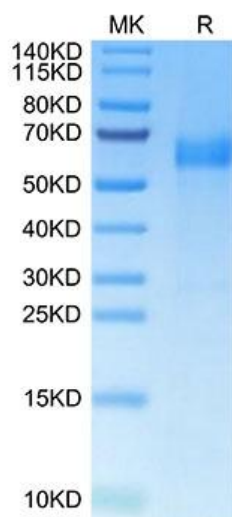
Validation Data



Immobilized Human B7-H7, His Tag at 2µg/ml (100µl/well) on the plate. Dose response curve for Human CD28H, hFc Tag with the EC₅₀ of 0.20µg/ml determined by ELISA.



The purity of Human B7-H7 is greater than 95% as determined by SEC-HPLC.



Recombinant Human B7-H7/HLA2 Protein was determined by Tris-Bis PAGE under reducing conditions.