

RP00546

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Recombinant Human B7-H3 (4Ig)/B7-H3b/CD276 Protein

Catalog No.: RP00546 **Recombinant**

Sequence Information

Species HEK293 cells
Gene ID 80381
Swiss Prot Q5ZPR3-1

Tags

C-His&Avi

Synonyms

B7-H3; CD276; PSEC0249; 4Ig-B7-H3; UNQ309; PRO352; B7 homolog 3; CD276

Product Information

Source

<I>E. coli</I>

Purification

> 95% by SDS-PAGE ; > 95% by HPLC

Endotoxin

< 1 EU/μg of the protein by LAL method

Formulation

Lyophilized from 0.22 μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.

Reconstitution

Centrifuge the vial 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

Background

B7-H3, a member of the B7 family of immunomodulatory molecules, is overexpressed in a wide range of solid cancers. B7-H3 binds to activated T cells via an as yet unidentified receptor. In assays using sub-optimal amount so anti-CD3 stimulation, 2Ig?B7?H3 enhances T cell proliferation, T cell interferon-gamma (IFN-gamma) production, and cytotoxic T cells induction.

Basic Information

Description

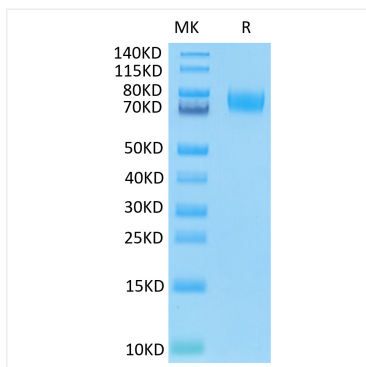
Recombinant Human B7-H3 (4Ig) /B7-H3b/CD276 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Gly27-Thr461) of Human B7-H3 (4Ig) /B7-H3b/CD276 (Accession #Q5ZPR3-1) fused with a C-His&Avi tag at the C-terminus.

Bio-Activity

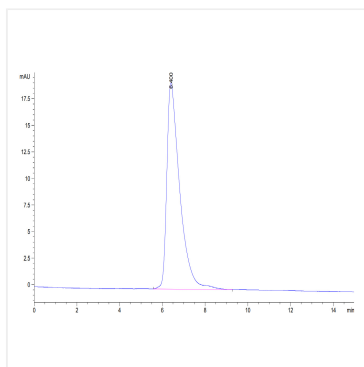
Storage

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°C for 3 months, at 2-8°C for up to 1 week. Avoid repeated freeze/thaw cycles.

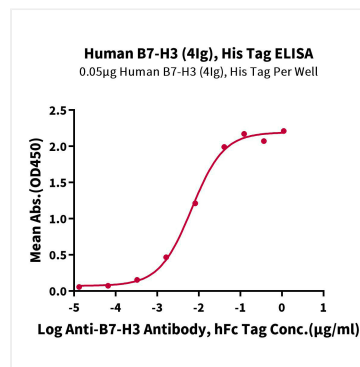
Validation Data



Human B7-H3 (4Ig) on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.



The purity of Human B7-H3 (4Ig) is greater than 95% as determined by SEC-HPLC.



Immobilized Human B7-H3 (4Ig), His Tag at 0.5 µg/mL (100 µL/Well) on the plate. Dose response curve for Anti-B7-H3 Antibody, hFc Tag with the EC₅₀ of 6.7ng/mL determined by ELISA.