

RP02259

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Recombinant Human B7-H3/CD276 Protein

Catalog No.: RP02259

Recombinant

Sequence Information

Species	Gene ID	Swiss Prot
Human	80381	Q5ZPR3-2

Tags

C-mFc&His

Synonyms

CD276; 4Ig-B7-H3; B7-H3; B7H3; B7RP-2;
CD276 antigen; 4Ig-B7-H3; B7-H3; B7H3; B7RP-2

Product Information

Source	Purification
HEK293 cells	> 95% by SDS-PAGE.

Endotoxin

Formulation

Lyophilized from sterile PBS, pH 7.4.
Normally 5 % - 19 % trehalose is added as protectants before lyophilization.

Reconstitution

Reconstitute with deionized water

Background

The protein encoded by this gene belongs to the immunoglobulin superfamily, and thought to participate in the regulation of T-cell-mediated immune response. Studies show that while the transcript of this gene is ubiquitously expressed in normal tissues and solid tumors, the protein is preferentially expressed only in tumor tissues. Additionally, it was observed that the 3' UTR of this transcript contains a target site for miR29 microRNA, and there is an inverse correlation between the expression of this protein and miR29 levels, suggesting regulation of expression of this gene product by miR29. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.

Basic Information

Description

Recombinant Human B7-H3/CD276 Protein is produced by HEK293 cells expression system. The target protein is expressed with human B7-H3 (Leu29-Pro245)&mFc(Pro99-Lys330) (Accession #) fused with a Fc and His Tag at the C-terminal.

Bio-Activity

ELISA plate pre-coated by 2 µg/mL (100 µL/well) Human B7-H3, mFc-His tagged protein can bind Anti-B7-H3 Neutralizing antibody in a linear range of 0.24-31.25 ng/mL.

Storage

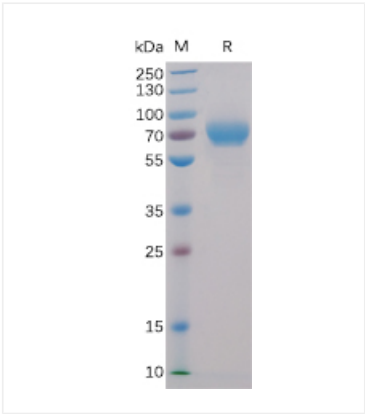
Store the lyophilized protein at -20°C to -80°C for long term. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week. Avoid repeated freeze/thaw cycles.

Contact

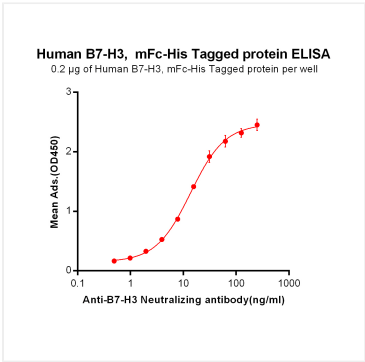


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Validation Data



Recombinant Human B7-H3/CD276 Protein was determined by SDS-PAGE with Coomassie Blue, showing bands at 70-75 kDa



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