

Recombinant Cynomolgus B7-H3/CD276 Protein

Catalog No.: RP02650 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Cynomolgus	102131295	XP_01530853 4.1

Tags

C-His

Synonyms

B7H3; B7-H3; CD276;
PSEC0249;?UNQ309; PRO352; B7
homolog 3; CD276

Product Information

Source	Purification
HEK293 cells	> 95% as determined by Tris- Bis PAGE > 95% as determined by HPLC

Calculated MW	Observed MW
48.2 kDa	70-80 kDa

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 free-thaw cycles.

Contact

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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

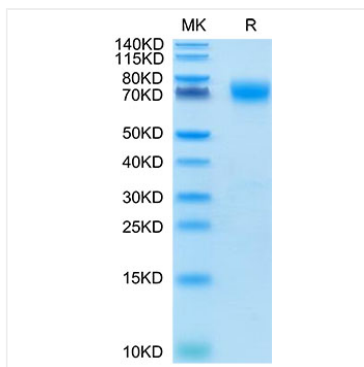
Recombinant Cynomolgus B7-H3/CD276 Protein is expressed from Expi293 with His tag at the C-terminal. It contains Leu29-Glu465.

Bio-Activity

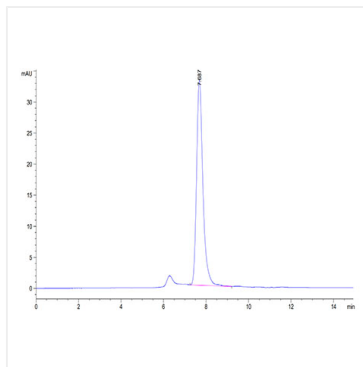
Storage

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.

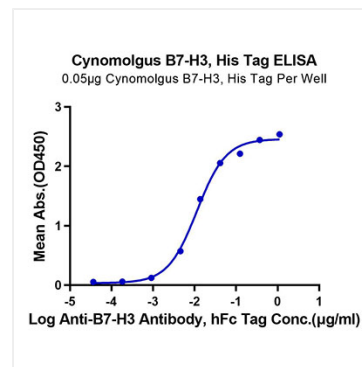
Validation Data



Cynomolgus B7-H3 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.



The purity of Cynomolgus B7-H3 is greater than 95% as determined by SEC-HPLC.



Immobilized Cynomolgus B7-H3, His Tag at 0.5µg/ml (100µl/Well) on the plate. Dose response curve for Anti-B7-H3 Antibody, hFc Tag with the EC₅₀ of 11.4ng/ml determined by ELISA.