

Recombinant Cynomolgus B7-H3/CD276 Protein

Catalog No.: RP02650

Sequence Information

Species	Gene ID
Cynomolgus	102131295
Swiss Prot	Tags
XP_015308534.1	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

< 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-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.

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.

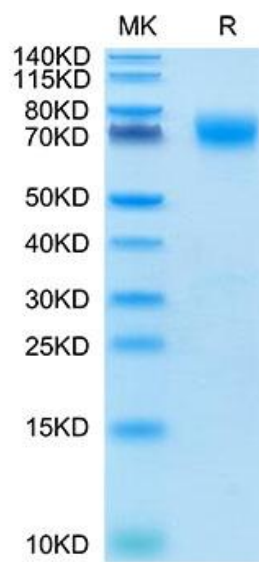
Contact

☎ | 400-999-6126

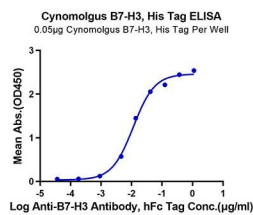
✉ | cn.market@abclonal.com.cn

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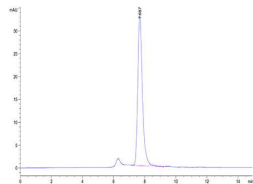
Validation Data



Recombinant Cynomolgus B7-H3/CD276 Protein was determined by Tris-Bis PAGE under reducing conditions.



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.



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