

Recombinant Cynomolgus PD-1/PDCD1/CD279 Protein

Catalog No.: RP02042

Sequence Information

Species	Gene ID
Cynomolgus	102123659
Swiss Prot	Tags
B0LAJ3	C-hFc

Synonyms

CD279;hPD-1;hPD-l;hSLE1;PD-1; PD1;SLEB2

Product Information

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

Calculated MW Observed MW

42.4 kDa 55-70 kDa

Endotoxin

< 0.1 EU/μg of the protein by LAL method.

Formulation

Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4. Contact us for customized product form or 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

Programmed cell death protein 1, also known as PD-1 and CD279, is a protein found on the surface of cells that has a role in regulating the immune system's response to the cells of the human body by down-regulating the immune system and promoting self tolerance by suppressing T cell inflammatory activity.

Basic Information

Description

Recombinant Human DLL3 Protein is produced by HEK293 expression system. The target protein is expressed with sequence (Pro21-Gln167) of cynomolgus PD-1 (Accession #B0LAJ3) fused with an Fc tag at the C-terminus.

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.

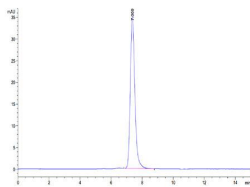
Contact

☎ | 400-999-6126

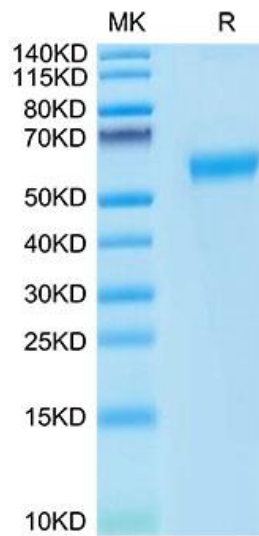
✉ | cn.market@abclonal.com.cn

🌐 | www.abclonal.com.cn

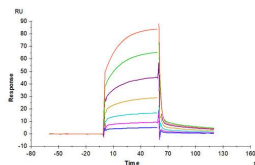
Validation Data



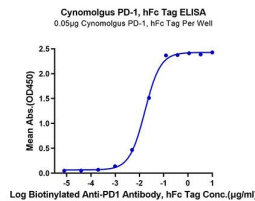
The purity of Cynomolgus PD-1 is greater than 95% as determined by SEC-HPLC.



Recombinant Cynomolgus PD-1/PDCD1/CD279 Protein was determined by Tris-Bis PAGE under reducing conditions.



Cynomolgus PD-1, hFc Tag captured on CM5 Chip via Protein A can bind Cynomolgus PD-L1, His Tag with an affinity constant of 1.28 μ M as determined in SPR assay (Biacore T200).



Immobilized Cynomolgus PD-1, hFc Tag at 0.5 μ g/ml (100 μ l/well) on the plate. Dose response curve for Biotinylated Anti-PD1 Antibody, hFc Tag with the EC₅₀ of 16.8ng/ml determined by ELISA.