

Recombinant Cynomolgus PD-1/PDCD1/CD279 Protein

Catalog No.: RP02042 Recombinant

Sequence Information

Species Gene ID Swiss Prot Cynomolgus 102123659 B0LAJ3

Tags

C-hFc

Synonyms

CD279;hPD-1;hPDl;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/ μ g 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 stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Contact

| 8 | | 400-999-6126 |
|----------|---|---------------------------|
| \times | Τ | cn.market@abclonal.com.cn |

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.

Bio-Activity

Shipping

The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.

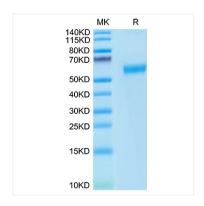
After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

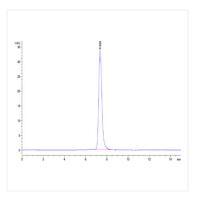
Operational Notes

For your safety and health, please wear a lab coat and disposable gloves for handling.

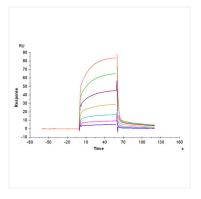
Validation Data



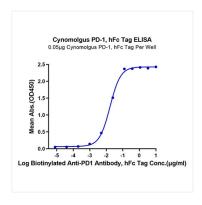
Recombinant Cynomolgus PD-1/PDCD1/CD279 Protein was determined by Tris-Bis PAGE under reducing conditions.



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



Cynomolgus PD-1, hFc Tag captured on CM5 Chip via Protein A can bind Cynomolgus PD-1, 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 $0.5\mu g/ml$ (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.