

RP00720

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Recombinant Cynomolgus PD-1/PDCD1/CD279 Protein

Catalog No.: RP00720

Recombinant

Sequence Information

| Species | Gene ID | Swiss Prot |
|------------|-----------|------------|
| Cynomolgus | 102123659 | B0LAJ3 |

Tags
C-6×His

Synonyms
Programmed cell death 1; PD-1; PD1;
PDCD1

Product Information

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

Endotoxin
< 1 EU/μg of the protein by LAL method.

Formulation
Lyophilized from a 0.2 μm filtered solution of PBS, pH7.4. Contact us for customized product form or formulation.

Reconstitution
Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water.

Background

Programmed cell death protein 1 (PDCD1) is a single-pass type I membrane protein and contains 1 Ig-like V-type domain. PD-1 is a member of the extended CD28/CTLA-4 family of T cell regulators. PDCD1 inhibits the T-cell proliferation and production of related cytokines including IL-1, IL-4, IL-10 and IFN-γ by suppressing the activation and transduction of PI3K/AKT pathway. In addition, coligation of PDCD1 inhibits BCR-mediated signal by dephosphorylating key signal transducer. PDCD1 has been suggested to be involved in lymphocyte clonal selection and peripheral tolerance, and thus contributes to the prevention of autoimmune diseases. As a cell surface molecule, PDCD1 regulates the adaptive immune response. Engagement of PD-1 by its ligands PD-L1 or PD-L2 transduces a signal that inhibits T-cell proliferation, cytokine production, and cytolytic function.

Basic Information

Description
Recombinant Cynomolgus PD-1/PDCD1/CD279 Protein is produced by Human Cells expression system. The target protein is expressed with sequence (Pro21-Gln167) of cynomolgus PD-1/PDCD1/CD279 (Accession #B0LAJ3) fused with a 6×His tag at the C-terminus.

Bio-Activity

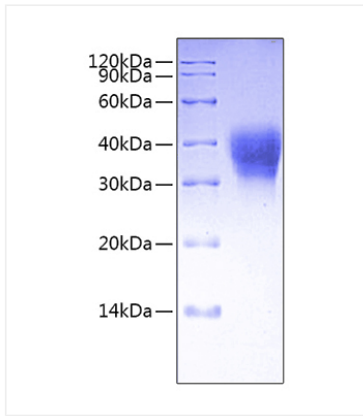
Storage
Store the lyophilized protein at -20°C to -80 °C for long term. After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week. Avoid repeated freeze/thaw cycles.

Contact



www.abclonal.com

Validation Data



Recombinant Cynomolgus
PD-1/PDCD1/CD279 Protein was determined
by SDS-PAGE under reducing conditions
with Coomassie Blue.