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Biotinylated Recombinant Human PD-1/PDCD1/CD279 Protein

Catalog No.: RP02469 <mark>Recombinant</mark>

Sequence Information

Species	Gene ID	Swiss Prot
Human	5133	Q8IX89(Q15116)

Tags
C-hFc&Avi

Synonyms
PDCD1; CD279; PD-1; PD1; SLEB2; hPD-1; hPD-l; hSLE1; programmed cell death 1;PD-1;CD279;PD1;SLEB2;hPD-1;hPD-l;hSLE1;PD-1/CD279

Product Information

Source	Purification
HEK293 cells	> 95% by Tris-Bis PAGE;> 95% by SEC-HPLC

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

Formulation
Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.

Reconstitution
Centrifuge the tube before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid votex 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

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Background

Basic Information

Description
Biotinylated Recombinant Human PD-1 Protein is produced by Expi293 expression system. The target protein is expressed with sequence (Leu25-Gln167) of Human PD-1 fused with hFc tag and Avi tag at the C-terminal.

Bio-Activity
Immobilized Human PD-L1,mFc tag at 0.5 μg/mL (100 μL/Well). Dose response curve for Biotinylated Human PD-1,hFc tag with the EC$_{50}$ of 1.1 μg/mL determined by ELISA.
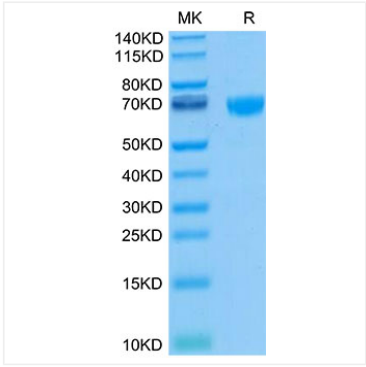
Storage
Store the lyophilized protein at -20°C to -80°C for long term.
After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.
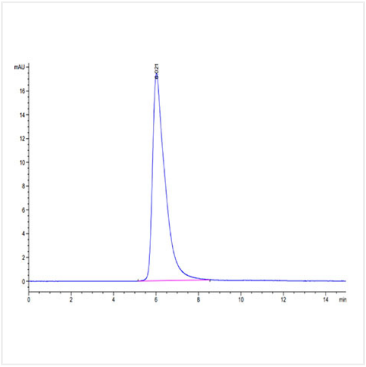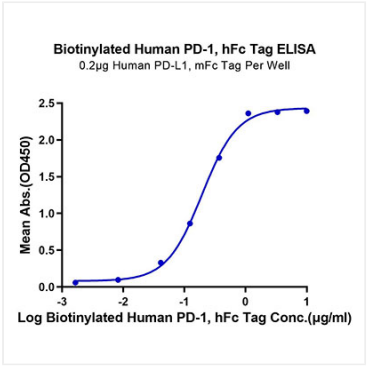Avoid repeated freeze/thaw cycles.

Validation Data

Biotinylated Human PD-1 on Tris-Bis PAGE under reduced. The purity is greater than 95%.

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

Immobilized Human PD-L1, mFc tag at 2µg/ml (100µl/Well). Dose response curve for Biotinylated Human PD-1, hFc tag with the EC_{50} of 0.19µg/ml determined by ELISA.