

PD-1/PDCD1 recombinant protein

Biotinylated Human PD-1/PDCD1 Protein Recombinant

CATALOG #	HOST
AAA76292	HEK293 cells (Note: Host protein expression may be lot-specific and can be subject to change during production, including bulk orders.)

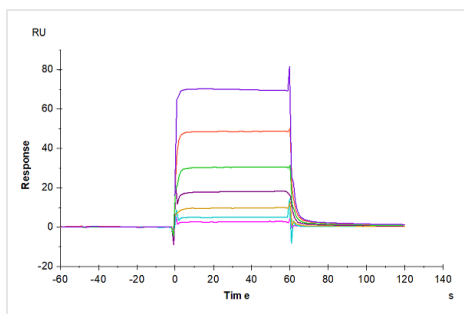
PRODUCT SYNONYMS

PD-1/PDCD1; Biotinylated Human PD-1/PDCD1 Protein Recombinant; PD-1/PDCD1 recombinant protein

PRODUCT SPECIFICATIONS

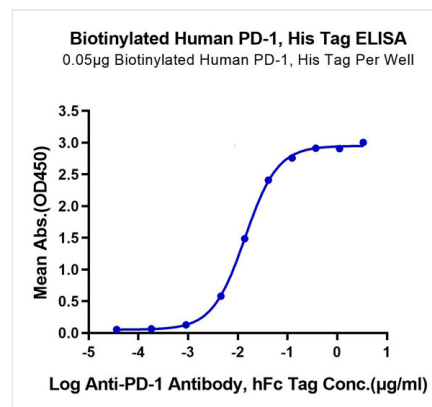
Host	HEK293 cells (Note: Host protein expression may be lot-specific and can be subject to change during production, including bulk orders.)
Purity/Purification	>95%, as determined by SDS-PAGE and HPLC
Form/Format	Recombinant Human PD-1/PDCD1 was lyophilized from 0.2 um filtered PBS solution pH7.4
Source	DNA sequence encoding Human PD-1/PDCD1 including a C-His-Avi tag was expressed in HEK293 Cells. The recombinant protein was then biotinylated site specific using the AVItag biotinylation technology.
Endotoxin	Endotoxin content was assayed using a LAL gel clot method. Endotoxin level was found to be less than 0.1 ng/ug (1EU/ug).
Biological Process	Immunity
Reconstitution	Centrifuge vial to ensure maximal product extraction, recommended: 20sec, 5K RPM
Preparation and Storage	The lyophilized protein is stable for at least 2 years from date of receipt at -20 degree C.

IMAGES



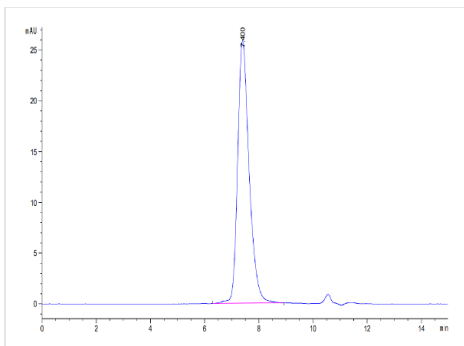
Application Data

Biotinylated Human PD-1/PDCD1 Protein SPR Data: Human PD-L1, hFc Tag captured on CM5 Chip via Protein A can bind Biotinylated Human PD-1, His-Avi Tag with an affinity constant of 2.356×10^{-6} M as determined in SPR assay (Biacore T200).



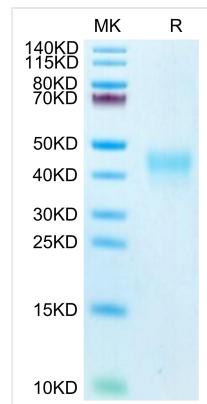
ELISA

Biotinylated Human PD-1/PDCD1 Protein ELISA Data: Immobilized Biotinylated Human PD-1, His Tag at 0.5 µg/ml (100 µl/well) on the plate. Dose response curve for Anti-PD-1 Antibody, hFc Tag with the EC50 of 14.0 ng/ml determined by ELISA.



Application Data

Biotinylated Human PD-1/PDCD1 Protein SEC-HPLC The purity of Biotinylated Human PD-1 is greater than 95% as determined by SEC-HPLC.



Tris-Bis-PAGE

Biotinylated Human PD-1/PDCD1 Protein Tris-Bis PAGE Biotinylated Human PD-1 on Tris-Bis PAGE under reduced. The purity is greater than 95%.

ADDITIONAL INFORMATION

Product Categories/Family for PD-1/PDCD1 recombinant protein

[Biotinylated proteins](#)

NCBI AND UNIPROT INFORMATION

NCBI GI #	145559515
NCBI GeneID	5133
UniProt Accession #	Q15116; O00517; Q8IX89
Molecular Weight	31,647 Da
NCBI Official Full Name	Programmed cell death protein 1
NCBI Official Synonym Full Names	programmed cell death 1
NCBI Official Symbol	PDCD1
NCBI Official Synonym Symbols	PD1; PD-1; CD279; SLEB2; hPD-1; hPD-I; hSLE1
NCBI Protein Information	programmed cell death protein 1
UniProt Protein Name	Programmed cell death protein 1
UniProt Gene Name	PDCD1
UniProt Synonym Gene Names	PD1; Protein PD-1; hPD-1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/pdcd1-recombinant-protein-hek293/76292>