

PD-1 protein

Human PD-1 Protein, mFc-His tag

CATALOG #
AAA268937

HOST
HEK293 cells

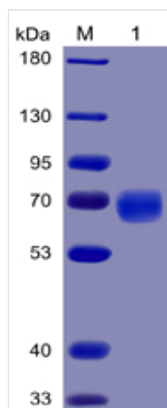
PRODUCT SYNONYMS

PD-1; Human PD-1 Protein; mFc-His tag; PDCD1; PD1; CD279; SLEB2; PD-1 protein

PRODUCT SPECIFICATIONS

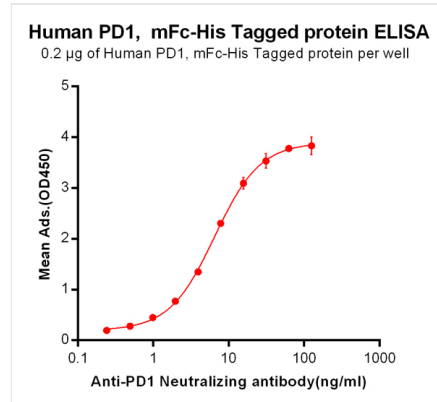
Host	HEK293 cells
Purity/Purification	The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.
Form/Format	Lyophilized from sterile PBS, pH 7.4. Normally 5 %-32 % trehalose is added as protectants before lyophilization.
Sequence Positions	PD-1 (Phe24-Val170)+mFc (Pro99-Lys330)
Species	Human
Vector and Tag	C-Mouse Fc and 6xHis tag
Preparation and Storage	Store at -80 degree C for 12 months (Avoid repeated freezing and thawing)

IMAGES



ELISA

Figure 2. ELISA plate pre-coated by 2ug/ml (100ul/well) Human PD1, mFc-His tagged protein (PME100025) can bind Anti-PD-1 Neutralizing antibody in a linear range of 0.24-6.49ng/ml.



SDS-PAGE

Figure 1. Human PD-1 Protein, mFc-His Tag on SDS-PAGE under reducing condition.

ADDITIONAL INFORMATION

Related Product Information for PD-1 protein

This protein is expressed in pro-B-cells and is thought to play a role in their differentiation. In mice, expression of this gene is induced in the thymus when anti-CD3 antibodies are injected and large numbers of thymocytes undergo apoptosis. Mice deficient for this gene bred on a BALB/c background developed dilated cardiomyopathy and died from congestive heart failure. These studies suggest that this gene product may also be important in T cell function and contribute to the prevention of autoimmune diseases.

NCBI AND UNIPROT INFORMATION

Molecular Weight	The protein has a predicted molecular mass of 43.5kDa after removal of the signal peptide.
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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/hek293-protein/pd-1/268937>