

Product datasheet for **TP723948**

PD1 (PDCD1) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Human PD-1 Protein, mFc-His tag
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	PD-1□Phe24-Val170□+mFc□Pro99-Lys330□+6×His tag
Tag:	C-Mouse Fc and 6×His
Predicted MW:	43.5 kDa
Purity:	> 95%
Buffer:	Lyophilized from sterile PBS, pH 7.4. Normally 5% - 8% trehalose is added as protectants before lyophilization
Reconstitution Method:	Reconstitute with deionized water
Preparation:	Affinity purification
Applications:	ELISA
Storage:	Store the lyophilized protein at -20°C. After reconstitution, store the protein at -80°C for 12 months. Avoid repeated freezing and thawing.
Stability:	12 months from date of despatch
Locus ID:	5133
UniProt ID:	Q15116
Summary:	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.



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Product images:

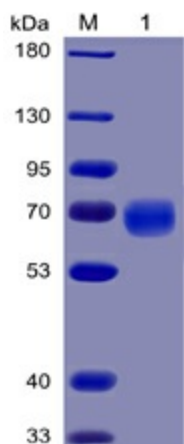


Figure 1. Human PD-1 Protein, mFc-His Tag on SDS-PAGE under reducing condition.

Human PD1, mFc-His Tagged protein ELISA

0.2 µg of Human PD1, mFc-His Tagged protein per well

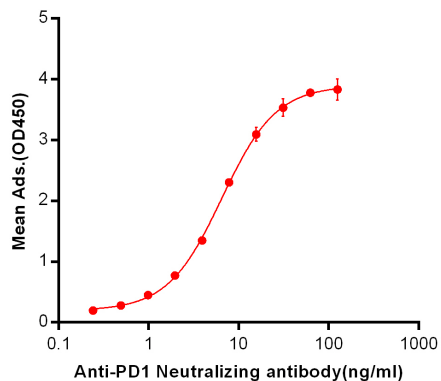


Figure 2. ELISA plate pre-coated by 2 µg/ml (100 µl/well) Human PD1, mFc-His tagged protein (TP723948) can bind Anti-PD-1 Neutralizing antibody ([TA355198]) in a linear range of 0.24-6.49 ng/ml.