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32-17076: Recombinant human PD-1 protein with C-terminal human Fc and 6Ã—His tag

Alternative Name : PDCD1, PD1, CD279, SLEB2

Description

Expression Host : HEK293
The protein has a predicted molecular mass of 42.9 kDa after removal of the signal peptide.
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 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.

Product Info

Amount :	50 µg
Purification :	The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.
Content :	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose is added as protectants before lyophilization.
Storage condition :	Store at -80°C for 12 months (Avoid repeated freezing and thawing)

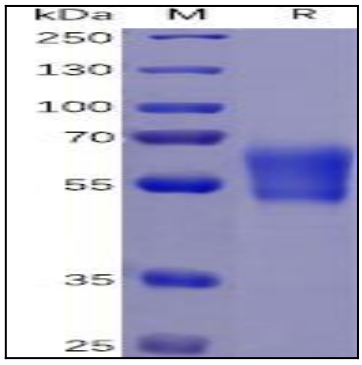


Figure 1. Human PD-1 Protein, hFc-His Tag on SDS-PAGE under reducing condition.

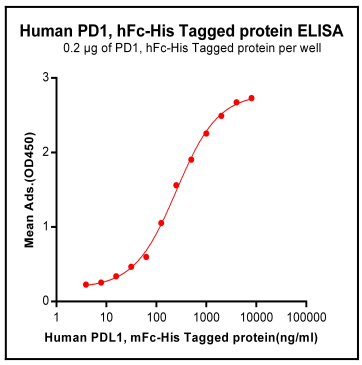


Figure 2. ELISA plate pre-coated by 2 µg/ml (100 µl/well) Human PD1, hFc-His tagged protein can bind Human PDL1, mFc-His tagged protein in a linear range of 62.5-251.1 ng/ml.

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