

32-17023: Recombinant human PD-L1 protein with C-terminal mouse Fc and 6Å—His tag

Alternative Name : PD-L1, CD274, B7-H1, PDCD1L1, PDCD1LG1

Description

Expression Host : HEK293

The protein has a predicted molecular mass of 52.3 kDa after removal of the signal peptide.

This gene encodes an immune inhibitory receptor ligand that is expressed by hematopoietic and non-hematopoietic cells, such as T cells and B cells and various types of tumor cells. The encoded protein is a type I transmembrane protein that has immunoglobulin V-like and C-like domains. Interaction of this ligand with its receptor inhibits T-cell activation and cytokine production. During infection or inflammation of normal tissue, this interaction is important for preventing autoimmunity by maintaining homeostasis of the immune response. In tumor microenvironments, this interaction provides an immune escape for tumor cells through cytotoxic T-cell inactivation. Expression of this gene in tumor cells is considered to be prognostic in many types of human malignancies, including colon cancer and renal cell carcinoma. Alternative splicing results in multiple transcript variants.

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)

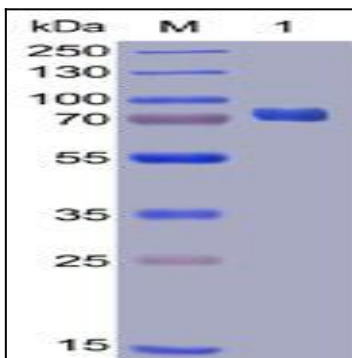


Figure 1. Human PD-L1 Protein, mFc-His Tag on SDS-PAGE under reducing condition.

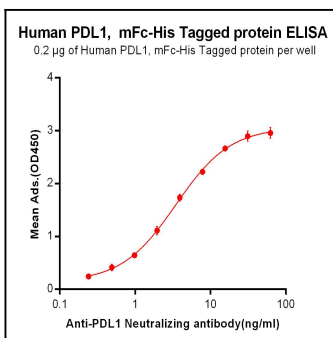


Figure 2. ELISA plate pre-coated by 2 µg/ml (100 µl/well) Human PD-L1, mFc-His tagged protein can bind Anti-PDL1 Neutralizing antibody in a linear range of 0.24-7.81 ng/ml.

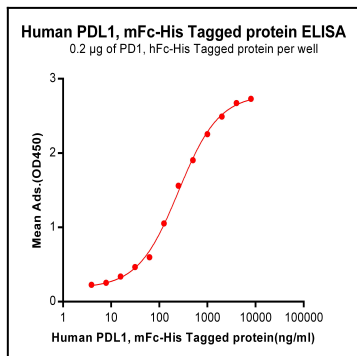


Figure 3. ELISA plate pre-coated by 2 µg/ml (100 µl/well) Human PD1, hFc-His tagged protein can bind Human PDL1, mFc-His tagged protein in a linear range of 62.5-251.1 ng/ml.