

PD-L1 Fc Fusion Recombinant Protein | PD-L1 recombinant protein

Recombinant Human PD-L1 Fc Fusion Protein (Active)

CATALOG # AAA78593	HOST CHO-K1 celline	APPLICATIONS Western Blot, Flow Cytometry, Functional Assay, ELISA, Functional Assay
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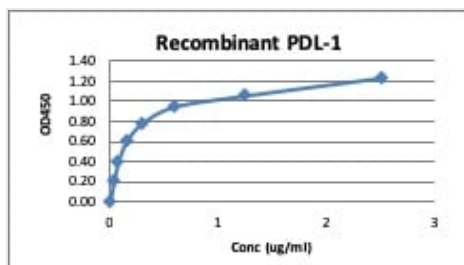
PRODUCT SYNONYMS

PD-L1 Fc Fusion; Recombinant Human PD-L1 Fc Fusion Protein (Active); B7 homolog 1; CD274; B7H1; PDCD1L1; PDCD1LG1; PDL1; PD-L1 recombinant protein

PRODUCT SPECIFICATIONS

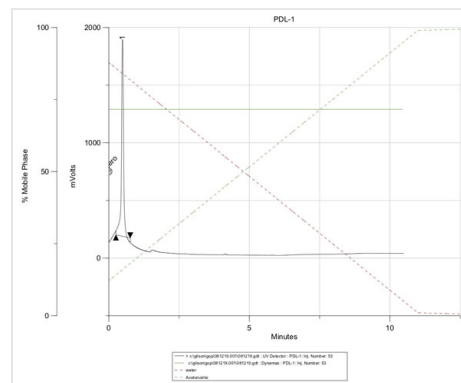
Host	CHO-K1 celline
Purity/Purification	99% Purity SDS -PAGE and HPLC.
Form/Format	Lyophilized sterile PBS, 5% trehalose and 0.01% tween 80 are added as protectant before lyophilization.
Sequence	HumanPD-L1 (ECD):MRIF AVFIFMTYWH LLNAFTVTVP KDLYVVEYGS NMTIECKFPV EKQLDLAALI VYWEMEDKNI IQFVHGEEEDL KVQHSSYRQR ARLLKQQLSL GNAALQITDV KLQDAGVYRC MISYGGADYK RITVKVNAPY NKINQRILVV DPVTSEHET CQAEGYPKAE VIWTSDDHGV LSGKTTTTNS KREEKLFENV STLRINTTTN EIFYCTFRRL DPEENHTAEL VIPELPLAHP PNER
Applicable Applications for PD-L1 recombinant protein	WB (Western Blot), FCM/FACS (Flow Cytometry), ELISA, FA (Functional Assay)
Endotoxin	< 1.0 EU per ug of the protein as determined by the LAL method
Preparation and Storage	Store it under sterile conditions at -4 degree C. It is recommended that the protein be aliquoted for optimal storage.

IMAGES



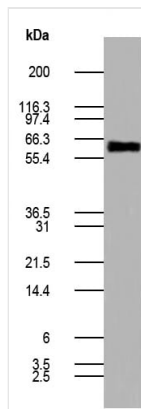
ELISA

Figure 5: Binding activity of Recombinant Human PD-L1 Fc Fusion Protein to PD-1/CHO stable cell line (14-500ACL) was analyzed by cell based ELISA. PD-1/CHO cells were plated into 96 well ELISA plate over night. Next day, plate was washed in PBS and fixed in fixation buffer for 15 min. Cells were blocked in blocking reagent for 30 min. Then, Recombinant Human PD-L1 Fc Fusion Protein was added in different dilution to cells and incubated in room temp. for 1 hr. Plate was wash 3 times in TBST wash buffer. Goat anti-human HRP was added and incubated at room temp. for 30 min. Then plate was washed 4 times in TBST and analyzed in ELISA reader in 450 nm.



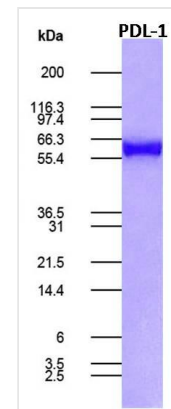
Application Data

Figure-4: HPLC analysis of Recombinant Human PD-L1 Fc Fusion Protein



WB (Western Blot)

Figure-2: Western blot analysis of Recombinant Human PDL-1 Fc Fusion Protein (0.5ug) using anti-human PD-L1 antibody .



Application Data

Figure-1: Recombinant Human PD-L1 Fc Fusion Protein. 0.5 ug protein was run on a 4-20% SDS-PAGE gel followed by Coomassie blue staining.

ADDITIONAL INFORMATION

Related Product Information for PD-L1 recombinant protein

PD-L1 (CD274/B7-H1) is a critical membrane-bound costimulatory molecule belongs to the B7 superfamily that inhibits immune responses through its receptor, PD-1 and PD-L1 play a key role in the pathogenesis of inflammatory diseases (programmed death 1). It is widely expressed in the mononuclear phagocyte system (MPS), may co-stimulate T cells and regulates inflammatory responses. PD-L1 exerts inflammation regulatory functions via a negative co-stimulatory effect on T cell functions to inhibit cytokine secretion, facilitate apoptosis of activated T cells and induce T cell anergy. Aberrant expression and dysregulation of CD274 have been reported during bacterial infection, inflammation and in numerous autoimmune diseases.

Product Categories/Family for PD-L1 recombinant protein

[Recombinant Proteins](#)

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://stage.aaabiotech.com/pd-l1-fc-fusion-recombinant-protein-cho-k1-celline-wb-western-blot-fcm/facs-flow-cytometry-elisa-fa-functional-assay/78593>