abcam

Product datasheet

Recombinant mouse PD-L1 protein (Fc Chimera Active) ab221310

3 Images

Description

Product name	Recombinant mouse PD-L1 protein (Fc Chimera Active)
Biological activity	Measured by its binding ability in a functional ELISA. Immobilized ab221310 at 5 µg/mL (100 µL/well) can bind Recombinant mouse PD1 protein (Active) (Biotin) (**ab246151**) with a linear range of 0.313-5 µg/mL.
	Measured by its binding ability in a functional ELISA. Immobilized Recombinant Mouse CD80 protein (Fc Chimera) (**ab207101**) at 5 µg/mL (100 µL/well) can bind ab221310 with a linear range of 0.16-2.5 µg/mL.
Purity	> 95 % SDS-PAGE.
Endotoxin level	< 1.000 Eu/µg
Expression system	HEK 293 cells
Accession	**Q9EP73**
Protein length	Protein fragment
Animal free	No
Nature	Recombinant
Species	Mouse
Sequence	FT ITAPKDLYVV EYGSNVTMEC RFPVERELDL LALVVYWEKE DEQVIQFVAG EEDLKPQHSN FRGRASLPKD QLLKGNAALQ ITDVKLQDAG VYCCIISYGG ADYKRITLKV NAPYRKINQR ISVDPATSEH ELICQAEGYP EAEVIWTNSD HQPVSGKRSV TTSRTEGMLL NVTSSLRVNA TANDVFYCTF WRSQPGQNHT AELIIPELPA THPPQNRT
Predicted molecular weight	52 kDa including tags
Amino acids	19 to 238
Tags	Fc tag C-Terminus
Additional sequence information	This protein carries a mouse IgG2a Fc tag (Glu 98-Lys 330; P01863) at the C-terminus. (NP_068693).

Specifications

Our **Abpromise guarantee** covers the use of **ab221310** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

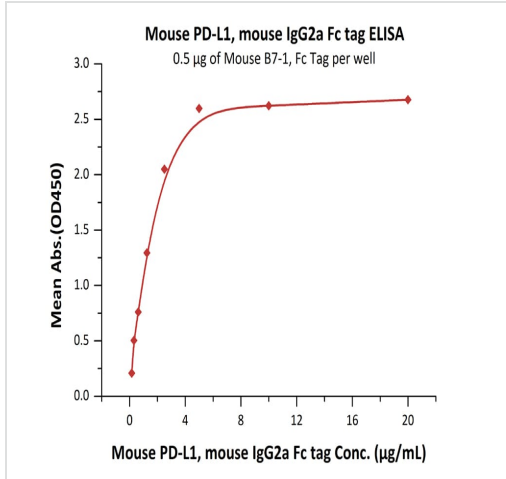|	
Applications	SDS-PAGE
	ELISA
Form	Lyophilized
Additional notes	This product is stable after storage at:
	-20°C to -70°C for 12 months in lyophilized state;
	-70°C for 3 months under sterile conditions after reconstitution.

Preparation and Storage

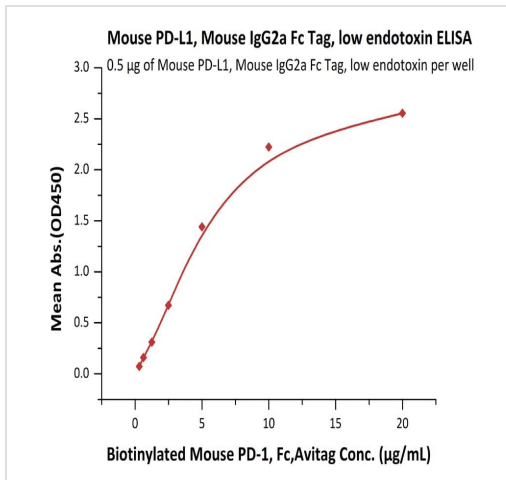|	
Stability and Storage	Shipped at 4°C. Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle. Please see notes section.
	pH: 7.40
	Constituents: 95% PBS, 5% Trehalose
	Lyophilized from 0.22 µm filtered solution.
	This product is an active protein and may elicit a biological response in vivo, handle with caution.
Reconstitution	Reconstitute with sterile deionized water to a concentration of 400 µg/ml.

General Info

Function	Involved in the costimulatory signal, essential for T-cell proliferation and production of IL10 and IFNG, in an IL2-dependent and a PDCD1-independent manner. Interaction with PDCD1 inhibits T-cell proliferation and cytokine production.
Tissue specificity	Highly expressed in the heart, skeletal muscle, placenta and lung. Weakly expressed in the thymus, spleen, kidney and liver. Expressed on activated T- and B-cells, dendritic cells, keratinocytes and monocytes.
Sequence similarities	Belongs to the immunoglobulin superfamily. BTN/MOG family.
	Contains 1 Ig-like C2-type (immunoglobulin-like) domain.
	Contains 1 Ig-like V-type (immunoglobulin-like) domain.
Cellular localization	Cell membrane and Endomembrane system.

Images

Mouse PD-L1, mouse IgG2a Fc tag ELISA

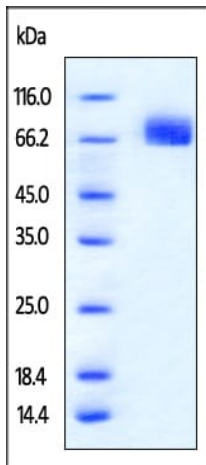0.5 μg of Mouse B7-1, Fc Tag per well

ELISA - Recombinant Mouse PD-L1 protein (Fc Chimera) (ab221310)

Immobilized Recombinant Mouse CD80 protein (Fc Chimera) (**ab207101**) at 5 μg/mL (100 μL/well) can bind ab221310 with a linear range of 0.16-2.5 μg/mL.

Mouse PD-L1, Mouse IgG2a Fc Tag, low endotoxin ELISA

0.5 μg of Mouse PD-L1, Mouse IgG2a Fc Tag, low endotoxin per well

ELISA - Recombinant Mouse PD-L1 protein (Fc Chimera) (ab221310)

Immobilized ab221310 at 5 μg/mL (100 μL/well) can bind Recombinant mouse PD1 protein (Active) (Biotin) (**ab246151**) with a linear range of 0.313-5 μg/mL.

SDS-PAGE analysis of reduced ab221310 stained overnight with Coomassie Blue.

The protein migrates as 65-85 kDa on a SDS-PAGE gel under reducing conditions due to glycosylation.

SDS-PAGE - Recombinant Mouse PD-L1 protein (Fc Chimera) (ab221310)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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