

Product datasheet

Recombinant human PD-L2 protein (Active) (Biotin)
ab246146

2 Images

Description

Product name	Recombinant human PD-L2 protein (Active) (Biotin)	
Biological activity	Immobilized Human PD-1, Fc Tag at 2 µg/mL (100 µL/well) can bind ab246146 with a linear range of 0.5-16 ng/mL.	
Purity	> 95 % SDS-PAGE. The biotin to protein ratio is 0.5-1 as determined by the HABA assay.	
Endotoxin level	< 1.000 Eu/µg	
Expression system	HEK 293 cells	
Accession	Q9BQ51	
Protein length	Protein fragment	
Animal free	No	
Nature	Recombinant	
Species	Human	
Sequence	LFTVTVPKELYIEHGSNVTLECNFDTGSHVNLGAITASL QKVENDTSPH RERATLLEEQLPLGKASFHIPQVQVRDEGQYQCIIYGV AWDYKYLTLKV KASYRKINTHILKVPETDEVELTCQATGYPLAEVSWPN VSPANTSHSRT PEGLYQVTSVLRLLKPPPGRNFSCVFWNTHVRELTLASI DLQSQMEPRTHP	
Predicted molecular weight	51 kDa including tags	
Amino acids	20 to 219	
Tags	Avi tag C-Terminus , Fc tag C-Terminus	
Additional sequence information	AviTag sequence GLNDIFEAQKIEWHE. Human IgG1 Fc tag.	
Conjugation	Biotin	

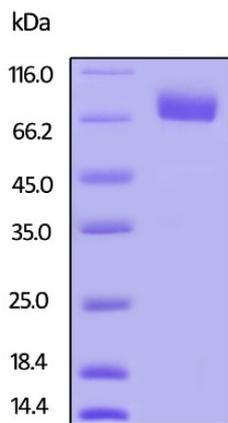
Specifications

Our [Abpromise guarantee](#) covers the use of **ab246146** 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 Functional Studies
Form	Lyophilised
Additional notes	Biotinylation of this product is performed using Avitag™ technology. Briefly, the single lysine residue in the Avitag is enzymatically labeled with biotin.
Preparation and Storage	
Stability and Storage	Shipped at 4°C. Upon reconstitution add a carrier protein (0.1% BSA). Store at -20°C or -80°C. Avoid freeze / thaw cycle. Store In the Dark. pH: 7.50 Constituents: 5% Trehalose, 0.61% Tris, 0.75% Glycine 0.22 µm filtered This product is an active protein and may elicit a biological response in vivo, handle with caution.
Reconstitution	It is recommended to reconstitute the lyophilized product in sterile deionized water to a final concentration of 1 mg/ml. Solubilize for 30 to 60 minutes at room temperature with occasional gentle mixing. Carrier protein (0.1% HSA or BSA) is strongly recommended for further dilution and long-term storage.
General Info	
Function	Involved in the costimulatory signal, essential for T-cell proliferation and IFNG production in a PDCD1-independent manner. Interaction with PDCD1 inhibits T-cell proliferation by blocking cell cycle progression and cytokine production.
Tissue specificity	Highly expressed in heart, placenta, pancreas, lung and liver and weakly expressed in spleen, lymph nodes and thymus.
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	Secreted; Cell membrane and Endomembrane system.

Images

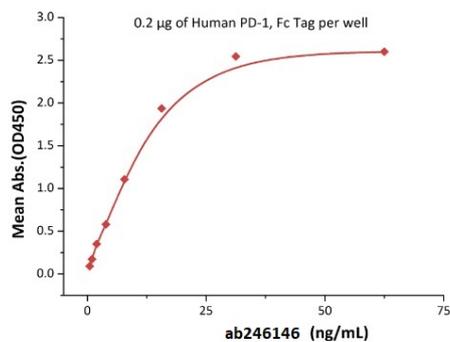


SDS-PAGE - Human PD-L2 protein (Active)
(ab246146)

SDS-PAGE - Human PD-L2 protein (Active) (Biotin) (ab246146).

The gel was stained overnight with Coomassie Blue.

The protein migrates as 66-91 kDa on SDS-PAGE gel under reducing conditions due to glycosylation.



Functional Studies - Recombinant human PD-L2
protein (Active) (Biotin) (ab246146)

Immobilized Human PD-1, Fc Tag at 2 µg/mL (100 µL/well) can bind ab246146 with a linear range of 0.5-16 ng/mL.

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

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