

## Product datasheet

# Recombinant Rhesus monkey PD-L1 protein (Fc Chimera) ab201421

1 Image

### Description

<b>Product name</b>	Recombinant Rhesus monkey PD-L1 protein (Fc Chimera)	
<b>Purity</b>	> 90 % SDS-PAGE.	
<b>Endotoxin level</b>	< 1.000 Eu/μg	
<b>Expression system</b>	HEK 293 cells	
<b>Accession</b>	<b><u>F6VEW6</u></b>	
<b>Protein length</b>	Protein fragment	
<b>Animal free</b>	No	
<b>Nature</b>	Recombinant	
<b>Species</b>	Rhesus monkey	
<b>Sequence</b>	FT VVTPKDLVWV EYGSNMTIEC KFPVEKQLDL TSLMYWEME DKNIIQFVHG EEDLKVQHSN YRQRAQLLKD QLSLGNAAALR ITDVKLQDAG VYRCMISYGG ADYKRITVKV NAPYNKINQR ILVVDPVTSE HELTCQAEGY PKAEVIWVTSS DHQVLSGKTT TTNSKREEKL LNVSTLRLN TTANEIFYCI FRRLDPEENH TAEVPELPL LALPPNER	
<b>Predicted molecular weight</b>	52 kDa including tags	
<b>Amino acids</b>	19 to 238	
<b>Tags</b>	Fc tag C-Terminus	
<b>Additional sequence information</b>	Fused with a Human IgG1 Fc tag at the C-terminus.	

### Specifications

Our **Abpromise guarantee** covers the use of **ab201421** in the following tested applications.

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

<b>Applications</b>	SDS-PAGE
<b>Form</b>	Lyophilized
<b>Additional notes</b>	Lyophilized from 0.22 μm filtered solution.

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

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### Stability and Storage

Shipped at 4°C. Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle. For long term storage it is recommended to add a carrier protein on reconstitution (0.1% HSA or BSA).

pH: 7.40

Constituent: PBS

5-10% trehalose is commonly used for freeze drying, and after reconstitution, the trehalose is mostly about 3-5%

### Reconstitution

Reconstitute with sterile deionized water to a concentration of 200 µg/ml.

## General Info

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### 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.

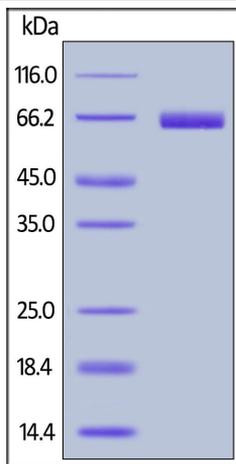
### Cellular localization

Cell membrane and Endomembrane system.

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## Images

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SDS-PAGE of reduced ab201421 stained overnight with Coomassie Blue. The protein migrates as 60-70 kDa due to glycosylation.

SDS-PAGE - Recombinant Rhesus monkey PD-L1 protein (ab201421)

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

### Our Abpromise to you: Quality guaranteed and expert technical support

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- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

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