



[Go to Product page](#)

Datasheet for ABIN2181638

## PD-L1 Protein (AA 19-238) (Fc Tag)

2 Images

1 Publication

### Overview

Quantity:	200 µg
Target:	PD-L1
Protein Characteristics:	AA 19-238
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This PD-L1 protein is labelled with Fc Tag.

### Product Details

Sequence:	AA 19-238
Characteristics:	This protein carries a human IgG1 Fc tag at the C-terminus. The protein has a calculated MW of 51.4 kDa. The protein migrates as 65-85 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Purity:	>95 % as determined by SDS-PAGE.
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1.0 EU per µg by the LAL method.

### Target Details

Target:	PD-L1
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## Target Details

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Alternative Name: [PD-L1 \(PD-L1 Products\)](#)

Background: Programmed cell death 1 ligand 1 (PD-L1) is also known as cluster of differentiation (CD274) or B7 homolog 1 (B7-H1), is a member of the growing B7 family of immune molecules and is involved in the regulation of cellular and humoral immune responses. B7-H1 is a cell surface immunoglobulin superfamily with two Ig-like domains within the extracellular region and a short cytoplasmic domain. PD-L1 is highly expressed in the heart, skeletal muscle, placenta and lung and weakly expressed in the thymus, spleen, kidney and liver. PD-L1 is expressed on activated T-cells, B-cells, dendritic cells, keratinocytes and monocytes. PD-L1 is up-regulated on T- and B-cells, dendritic cells, keratinocytes and monocytes after LPS and IFNG activation and up-regulated in B-cells activated by surface Ig cross-linking. PD-L1 involve in the costimulatory signal, essential for T-cell proliferation and production of IL10 and IFNG, in an IL2-dependent and a PDCD1-independent manner.

Molecular Weight: 51.4 kDa

NCBI Accession: [NP\\_068693](#)

Pathways: [Cancer Immune Checkpoints](#)

## Application Details

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Restrictions: For Research Use only

## Handling

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Format: Lyophilized

Buffer: Tris with Glycine, Arginine and NaCl, pH 7.5

Handling Advice: Please avoid repeated freeze-thaw cycles.

Storage: -20 °C

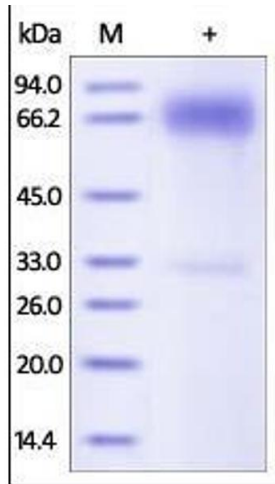
Storage Comment: No activity loss was observed after storage at: In lyophilized state for 1 year (4 °C), After reconstitution under sterile conditions for 3 months (-70 °C).

## Publications

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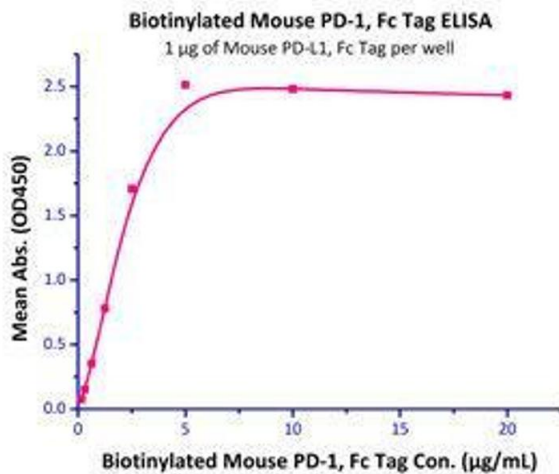
Product cited in: Kerros, Tripathi, Zha, Mehrens, Sergeeva, Philips, Qiao, Peters, Katayama, Sukhumalchandra, Ruisaard, Perakis, St John, Lu, Mittendorf, Clise-Dwyer, Herrmann, Alatrash, Toniatti, Hanash, Ma, Molldrem: "Neuropilin-1 mediates neutrophil elastase uptake and cross-presentation in breast cancer cells." in: **The Journal of biological chemistry**, Vol. 292, Issue 24, pp. 10295-

## Images



## SDS-PAGE

**Image 1.** Mouse PD-L1, Fc Tag on SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 95%.



## Binding Studies

**Image 2.** Immobilized Mouse PD-L1 / B7-H1 Protein, Fc Tag (Cat# PD1-M5251) at 10µg/mL (100µL/well) can bind Biotinylated Mouse PD-1 / PDCD1, Fc Tag, Avi Tag (Avitag™) (Cat# PD1-M82F4) with a linear range of 0.15-2.5 µg/mL.