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Datasheet for ABIN2181639

## PD-L1 Protein (AA 19-238) (His tag)

4 Images

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### Overview

Quantity:	100 µg
Target:	PD-L1
Protein Characteristics:	AA 19-238
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This PD-L1 protein is labelled with His tag.

### Product Details

Sequence:	AA 19-238
Characteristics:	This protein carries a polyhistidine tag at the C-terminus. The protein has a calculated MW of 26 kDa. The protein migrates as 35-42 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Purity:	>98 % as determined by SDS-PAGE.
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1.0 EU per µg by the LAL method.
Grade:	HPLC verified

## Target Details

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Target:	PD-L1
Alternative Name:	PD-L1 ( <a href="#">PD-L1 Products</a> )
Background:	<p>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.</p>
Molecular Weight:	26.0 kDa
NCBI Accession:	<a href="#">NP_054862</a>
Pathways:	<a href="#">Cancer Immune Checkpoints</a>

## Application Details

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Restrictions:	For Research Use only
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## Handling

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Format:	Lyophilized
Buffer:	PBS, pH 7.4
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

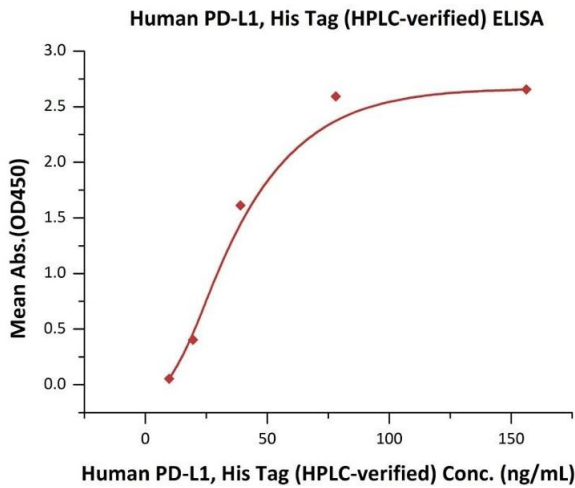
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Product cited in:	Kerros, Tripathi, Zha, Mehrens, Sergeeva, Philips, Qiao, Peters, Katayama, Sukhumalchandra, Ruisaard, Perakis, St John, Lu, Mittendorf, Clise-Dwyer, Herrmann, Alatrash, Toniatti, Hanash,
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Ma, 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. 10295-10305, (2017) ([PubMed](#)).

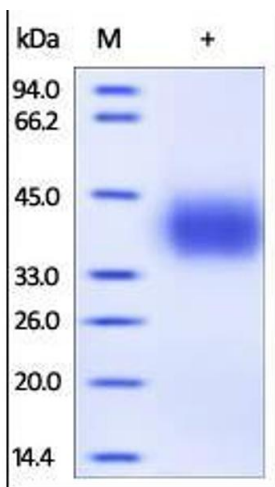
There are more publications referencing this product on: [Product page](#)

Images



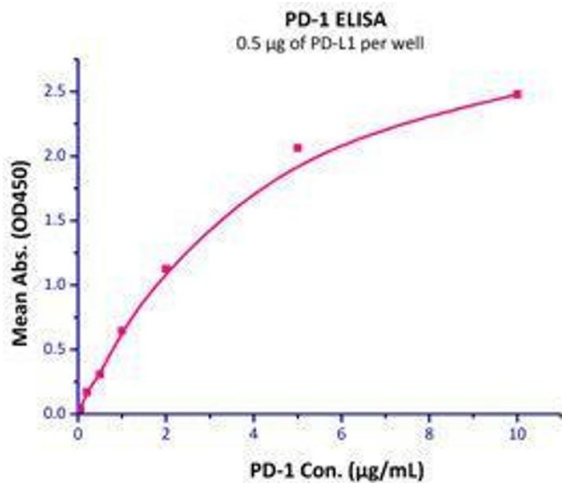
**ELISA**

**Image 1.** Immobilized Human PD-L1, His Tag (ABIN2181640,ABIN2181639) at series of concentration on MonoRab Anti-His Tag (C-term) Antibody precoated (0.1 μg/well) plate, can bind Human PD-1, Mouse IgG2a Fc Tag (Hied) (ABIN6386418,ABIN6388253) at 5 μg/mL (100 μL/well) with a linear range of 10-78 ng/mL (Routinely tested).



**SDS-PAGE**

**Image 2.** Human PD-L1, His Tag (HPLC-verified) on SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 98%.



### Binding Studies

**Image 3.** Immobilized Human PD-L1, His Tag (HPLC-verified) with a linear range of 0.05-1 µg/mL.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN2181639.