

Datasheet for ABIN6939571
anti-PD-L1 antibody (AA 39-191)

10 Images

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Overview

Quantity:	100 µg
Target:	PD-L1
Binding Specificity:	AA 39-191
Reactivity:	Human, Mouse
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This PD-L1 antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS), Immunohistochemistry (IHC), ELISA, Immunofluorescence (IF), Coating (Coat), Staining Methods (StM)

Product Details

Immunogen:	Recombinant fragment (around aa 39-191) of human CD274 (PD-L1) protein (exact sequence is proprietary)
Clone:	PDL1-2746
Isotype:	IgG2b kappa
Purification:	Purified by Protein A/G

Target Details

Target:	PD-L1
Alternative Name:	CD274 (PD-L1 Products)

Target Details

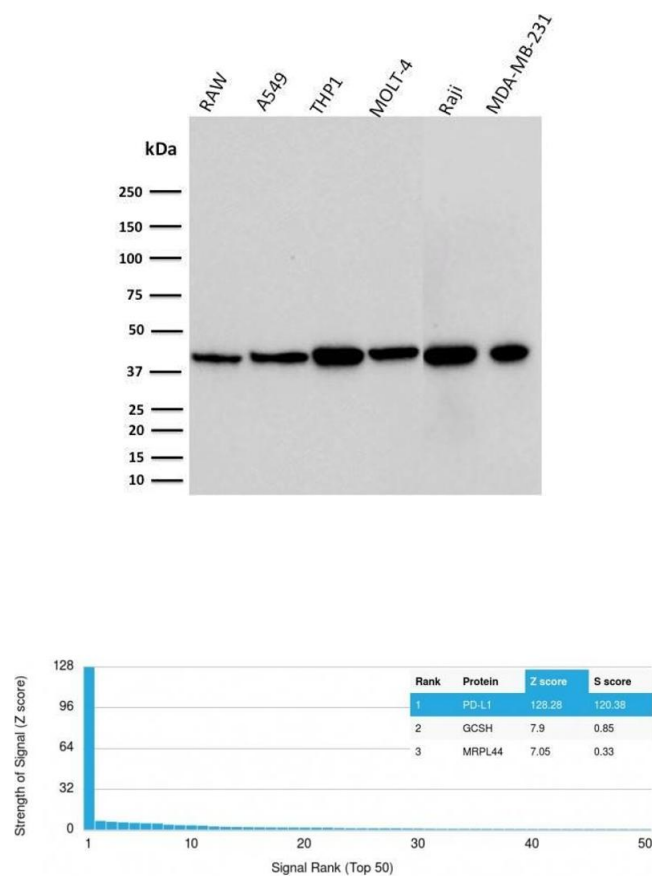
Background:	PD-L1 is a checkpoint regulator in immune cells, it is expressed on immune or non-hematopoietic cells. Expression of the protein is seen during pregnancy where it has a role in suppressing the immune system. PD-L1 induces an inhibitory signal in activated T-cells and promotes T-cell apoptosis. It is overexpressed in a number of different cancers where it is believed to play a significant role in the cancer's ability to evade the immune system.
Molecular Weight:	37-50kDa
Gene ID:	29126
UniProt:	Q9NZQ7
Pathways:	Cancer Immune Checkpoints

Application Details

Application Notes:	Positive Control: Heart, Placenta, Spleen or Tonsil tissue. RAW, HEK293 or HepG2 cell lysates. Jurkat cells. Known Application: ELISA (For coating, order antibody without BSA), Western Blot (1-2 µg/mL), Flow Cytometry (1-2 µg/million cells), Immunofluorescence (1-2 µg/mL), Immunohistochemistry (Formalin-fixed) (1-2 µg/mL for 30 minutes at RT), (Staining of formalin-fixed tissues requires boiling tissue sections in 10 mM Citrate buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes), Optimal dilution for a specific application should be determined.
Restrictions:	For Research Use only

Handling

Concentration:	200 µg/mL
Buffer:	10 mM PBS with 0.05 % BSA & 0.05 % azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C, -80 °C
Storage Comment:	Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.
Expiry Date:	24 months

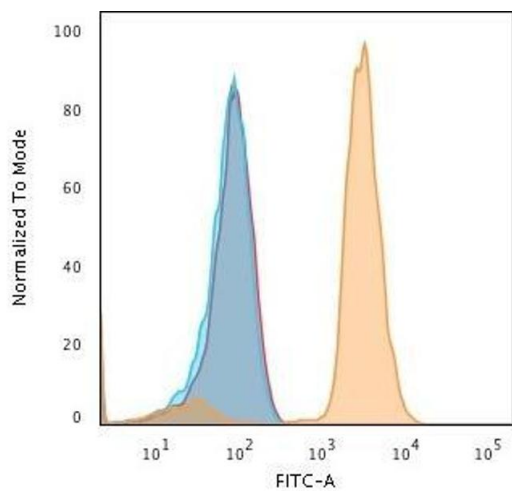


Western Blotting

Image 1. Western Blot Analysis of RAW, A549, THP1, MOLT-4, Raji, and MDA-MB-231 cell lysates using PD-L1 Mouse Monoclonal Antibody (PDL1/2746).

Protein Array

Image 2. Analysis of Protein Array containing more than 19,000 full-length human proteins using PD-L1-Monospecific Mouse Monoclonal Antibody (PDL1/2746). Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProt™ array. Z-scores are described in units of standard deviations (SDs) above the mean value of all signals generated on that array. If targets on HuProt™ are arranged in descending order of the Z-score, the S-score is the difference (also in units of SDs) between the Z-score. S-score therefore represents the relative target specificity of a MAb to its intended target. A MAb is considered to specific to its intended target, if the MAb has an S-score of at least 2.5. For example, if a MAb binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that MAb to protein X is equal to 29.



Flow Cytometry

Image 3. Flow Cytometric Analysis of human Jurkat cells. PD-L1-Monospecific Mouse Monoclonal Antibody (PDL1/2746) followed by goat anti-Mouse IgG-CF488 (Orange); cells alone (Blue); Isotype Control (Red).

Please check the [product details page](#) for more images. Overall 10 images are available for ABIN6939571.