

9853 Pacific Heights Blvd. Suite D. San Diego, CA 92121, USA Tel: 858-263-4982

Email: info@abeomics.com

36-2427: Anti-PD-L1 / PDCD1LG1 / CD274 / B7-H1 (Cancer Immunotherapy Target) Monoclonal **Antibody(Clone: PDL1/2742)**

Clonality: Monoclonal **Clone Name:** PDL1/2742 Application: **ELISA** Reactivity: Human Gene: CD274 Gene ID: 29126 **Uniprot ID:** Q9NZQ7

B7 homolog 1; B7-H1; CD274; PD-L1; PDCD1 ligand 1; PDCD1L1; PDCD1LG1; Programmed cell **Alternative Name:**

death 1 ligand 1

Isotype: Mouse IgG1, kappa

Recombinant fragment of human CD274 protein (around aa 39-191) (exact sequence is Immunogen Information:

proprietary)

Description

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.

Product Info

Amount: 20 μg / 100 μg

200 µg/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS Content:

with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody Storage condition:

is stable for 24 months. Non-hazardous.

Application Note

ELISA (For coating, order antibody without BSA); ,

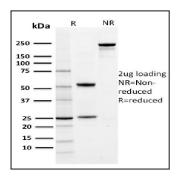


Fig. 1: SDS-PAGE Analysis Purified PD-L1 Mouse Monoclonal Antibody (PDL1/2742). Confirmation of Purity and Integrity of Antibody.



9853 Pacific Heights Blvd. Suite D. San Diego, CA 92121, USA Tel: 858-263-4982

Email: info@abeomics.com

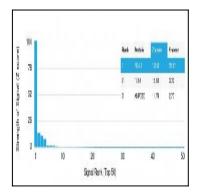


Fig. 2: Analysis of Protein Array containing more than 19,000 full-length human proteins using PD-L1 Mouse Monoclonal Antibody (PDL1/2742). Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (Monoclonal Antibody) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProtTM array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProtTM are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-score. S-score therefore represents the relative target specificity of a Monoclonal Antibody to its intended target. A Monoclonal Antibody is considered to specific to its intended target, if the Monoclonal Antibody has an S-score of at least 2.5. For example, if a Monoclonal Antibody 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 Monoclonal Antibody to protein X is equal to 29.