

Mouse anti-Human PD-L1/PDCD1LG1/CD274/B7-H1 Monoclonal Antibody | anti-CD274 antibody

PD-L1/PDCD1LG1/CD274/B7-H1 (Cancer Immunotherapy Target)

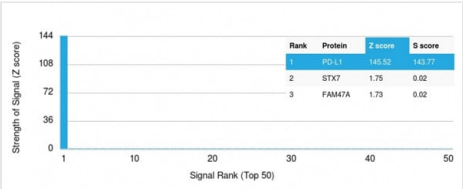
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA214998	Mouse	Human	Immunofluorescence, Flow Cytometry, Functional Assay, ELISA

PRODUCT SYNONYMS

PD-L1/PDCD1LG1/CD274/B7-H1; Monoclonal Antibody; PD-L1/PDCD1LG1/CD274/B7-H1 (Cancer Immunotherapy Target); B7 homolog 1; B7-H1; CD274; PD-L1; PDCD1 ligand 1; PDCD1L1; PDCD1LG1; Programmed cell death 1 ligand 1; anti-CD274 antibody

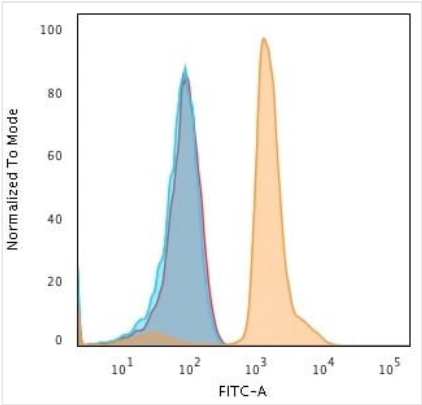
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG2b, kappa
Clone Number	PDL1/2743
Specificity	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.
Purity/Purification	Purified Ab with BSA and Azide at 200ug/ml OR Purified Ab WITHOUT BSA and Azide at 1.0mg/ml
Form/Format	200ug/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Sequence Length	176
Applicable Applications for anti-CD274 antibody	IF (Immunofluorescence), FCM/FACS (Flow Cytometry), ELISA
Positive Control	Heart, Placenta, Spleen or Tonsil (IHC). Jurkat cells (IF/FACS).
Immunogen	Recombinant fragment of human CD274 protein (around aa 39-191) (exact sequence is proprietary)
Cellular Localization	Cell Surface and Cytoplasmic
Hu-chromosome Location	9p24.1
Preparation and Storage	Antibody with azide: store at 2 to 8 degree C. Antibody without azide: store at -20 to -80 degree C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.



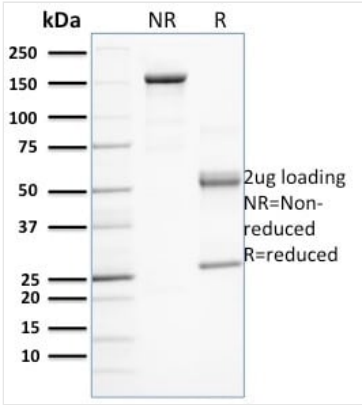
Application Data

Analysis of Protein Array containing more than 19,000 full-length human proteins using PD-L1 Mouse Monoclonal Antibody (PDL1/2743). 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 (SD's) 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 SD's) between the Z-score. S-score therefore represents the relative target specificity of a MAb to its intended target. A MAb is considered to be 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.



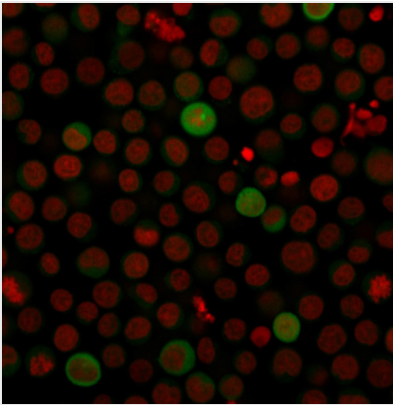
FCM/FACS (Flow Cytometry)

Flow Cytometric Analysis of human Jurkat cells using PD-L1 Mouse Monoclonal Antibody (PDL1/2743) followed by Goat anti-Mouse IgG-CF488 (Orange); cells alone (Blue); Isotype Control (Red).



SDS-PAGE

SDS-PAGE Analysis Purified PD-L1 Mouse Monoclonal Antibody (PDL1/2743). Confirmation of Purity and Integrity of Antibody.



IF (Immunofluorescence)

Immunofluorescence Analysis of human Jurkat cells labeling PD-L1 with PD-L1 Mouse Monoclonal Antibody (PDL1/2743) followed by Goat anti-Mouse IgG-CF488 (Green). The nuclear counterstain is Reddot (Red)

ADDITIONAL INFORMATION

References	Dong, H., et al. 1999. B7-H1, a third member of the B7 family, co-stimulates T-cell proliferation and interleukin-10 secretion. Nat. Med. 5: 1365-1369.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	390979639
NCBI GeneID	29126
NCBI Accession #	NP_001254635.1
NCBI GenBank Nucleotide #	NP_001254635.1
UniProt Accession #	Q9NZQ7
Molecular Weight	37-50kDa
NCBI Official Full Name	programmed cell death 1 ligand 1 isoform b
NCBI Official Synonym Full Names	CD274 molecule
NCBI Official Symbol	CD274
NCBI Official Synonym Symbols	B7-H; B7H1; PDL1; PD-L1; hPD-L1; PDCD1L1; PDCD1LG1

NCBI Protein Information	programmed cell death 1 ligand 1
UniProt Protein Name	Programmed cell death 1 ligand 1
UniProt Gene Name	CD274
UniProt Synonym Gene Names	B7H1; PDCD1L1; PDCD1LG1; PDL1; PD-L1; PDCD1 ligand 1; Programmed death ligand 1; B7-H1
UniProt Entry Name	PD1L1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/pd-l1-pdcd1lg1-cd274-b7-h1-antibody-clone-pdl1-2743-immunofluorescence-flow-cytometry-elisa/214998>