

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

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

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA215001	Mouse	Human, Mouse	Immunofluorescence, Flow Cytometry, Functional Assay

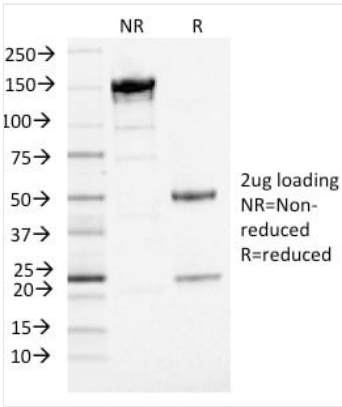
PRODUCT SYNONYMS

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

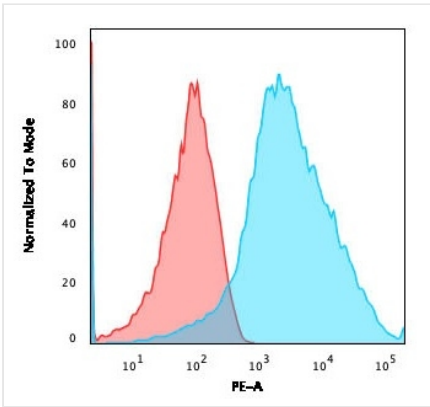
Host	Mouse
Reactivity	Human, Mouse
Clonality	Monoclonal
Isotype	IgG2b, kappa
Clone Number	PDL1/2746
Specificity	PD-L1 is a checkpoint regulator in immune cells, it is expressed on immune or non-hematopoietic cells. Expression of the protein is seen during pregnancy where it has a role in suppressing 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 conjugated to PE
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)
Positive Control	Heart, Placenta, Spleen or Tonsil tissue (IF). Jurkat cells (FACS).
Immunogen	Recombinant fragment (around aa 39-191) of human CD274 (PD-L1) protein (exact sequence is proprietary)
Cellular Localization	Cell Surface and Cytoplasmic
Hu-chromosome Location	9p24.1
Preparation and Storage	Antibody with azide: store at 4 to 8 degree C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

IMAGES



SDS-PAGE

SDS-PAGE Analysis Purified PD-L1 Mouse Monoclonal Antibody (PDL1/2746) (unconjugated). Confirmation of Purity and Integrity of Antibody.



FCM/FACS (Flow Cytometry)

Flow Cytometric Analysis of human Jurkat cells using PE conjugated PD-L1 Mouse Monoclonal Antibody (PDL1/2746) (blue) Isotype Control (Red).

ADDITIONAL INFORMATION

References	Dong, H., et al. 1999. 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.