

Mouse anti-Human PD-L2/PDCD1LG2/CD273 Monoclonal Antibody | anti-PDCD1LG2 antibody

PD-L2/PDCD1LG2/CD273

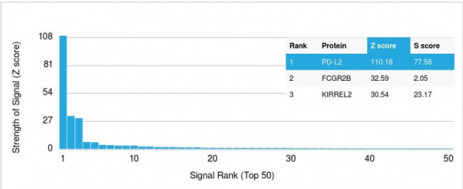
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA215267	Mouse	Human	Western Blot, Immunofluorescence, Flow Cytometry, Functional Assay, ELISA

PRODUCT SYNONYMS

PD-L2/PDCD1LG2/CD273; Monoclonal Antibody; B7 dendritic cell molecule; B7-DC; B7DC; Btdc; Butyrophilin B7DC; CD273; PD-L2; PDCD1L2; PDCD1LG2; PDL2; Programmed death ligand 2; anti-PDCD1LG2 antibody

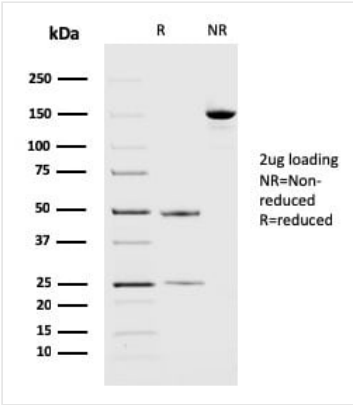
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1, kappa
Clone Number	PDL2/2676
Specificity	Recognizes a protein of about 31kDa, which is identified as PD-L2 (same as PDCD1LG2). Engagement of CD28 by B7-1 (CD80) or B7-2 (CD86) in the presence of antigen promotes T cell proliferation, cytokine production, differentiation of effector T cells and the induction of Bcl-x, a promoter of T cell survival. Conversely, engagement of CTLA4 by B7-1 or B7-2 may inhibit proliferation and IL-2 production. PD-L2 does not bind CD28, cytotoxic T lymphocyte A4 or ICOS (inducible co-stimulator). The constitutive expression of PD-L1 and PD-L2 on parenchymal cells of heart, lung and kidney suggests that the Pdc1-Pdcd-L system could provide unique negative signaling to help prevent autoimmune disease.
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.
Applicable Applications for anti-PDCD1LG2 antibody	WB (Western Blot), IF (Immunofluorescence), FCM/FACS (Flow Cytometry), ELISA
Positive Control	Jurakt, HepG2, THP-1, RAW, NIH3T3, U87 cells Placenta or Pancreas. Thyroid Carcinoma.
Immunogen	Recombinant fragment (around aa 27-220) of human PD-L2 protein (exact sequence is proprietary)
Cellular Localization	Cytoplasmic and Cell Surface
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.



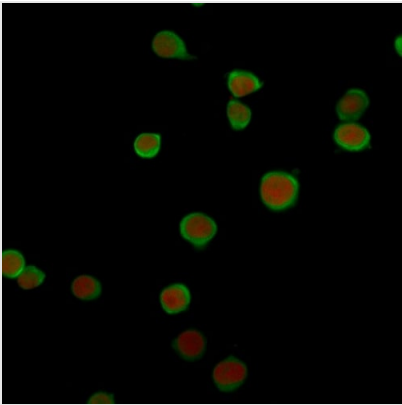
Application Data

Analysis of Protein Array containing more than 19,000 full-length human proteins using PD-L2 Mouse Monoclonal Antibody (PDL2/2676) 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.



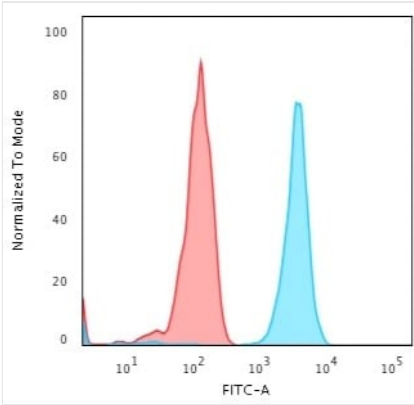
SDS_PAGE

SDS-PAGE Analysis Purified PD-L2 Mouse Monoclonal Antibody (PDL2/2676). Confirmation of Purity and Integrity of Antibody.



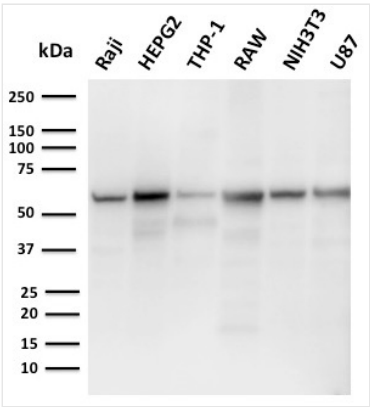
IF (Immunofluorescence)

Immunofluorescence Analysis of Jurkat cells labeling PD-L2 with PD-L2 Mouse Monoclonal Antibody (PDL2/2676) followed by Goat anti-Mouse IgG-CF488 (Green). The nuclear counterstain is Reddot (Red).



FCM/FACS (Flow Cytometry)

Flow Cytometric Analysis of Jurkat cells using PD-L2 Mouse Monoclonal Antibody (PDL2/2676) followed by Goat anti-Mouse IgG-CF488 (Blue); Isotype Control (Red).



WB (Western Blot)

Western Blot Analysis of Raji, HepG2, THP-1, RAW, NIH3T3, U87 cell lysates using PD-L2 Mouse Monoclonal Antibody (PDL2/2676).

ADDITIONAL INFORMATION

References

Latchman, Y., et al. 2001. PD-L2 is a second ligand for PD-1 and inhibits T cell activation. Nat. Immun. 2: 261-268.

NCBI AND UNIPROT INFORMATION

NCBI GeneID	80380
Molecular Weight	31kDa

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-l2-pdcd1lg2-cd273-antibody-clone-pdl2-2676-western-blot-immunofluorescence-flow-cytometry-elisa/215267>