PD-L2 / PDCD1LG2 / CD273 Antibody

Mouse Monoclonal Antibody [Clone PDL2/2676]

Catalog No	Format	Size
80380-MSM6-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
80380-MSM6-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
80380-MSM6-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

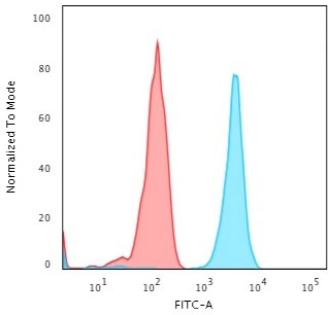
Applications	Tested Dillution	Note
Flow Cytometry (Flow)	1-2ug/million cells	
Immunofluorescence (IF)	1-3ug/ml	
Western Blot (WB)	2-4ug/ml	

Product Details

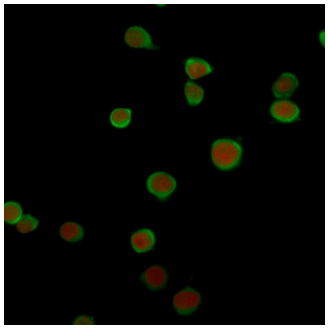
Clone	PDL2/2676
Gene Name	PDCD1LG2
Immunogen	Recombinant fragment (around aa 27-220) of human PD-L2 protein (exact sequence is proprietary)
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG1 / Kappa
Mol. Weight of Antigen	31kDa
Cellular Localization	Cytoplasm, Nucleus
Species Reactivity	Human
Positive Control	HePG2, Jurakt, NIH3T3, RAW, THP-1, U87 cells Placenta or Pancreas. Thyroid Carcinoma.

**Optimal dilution for a specific application should be determined.*

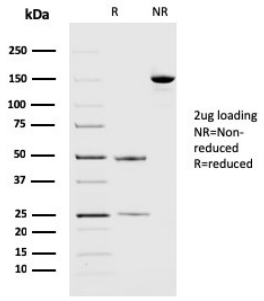
Product Images for PD-L2 / PDCD1LG2 / CD273 Antibody



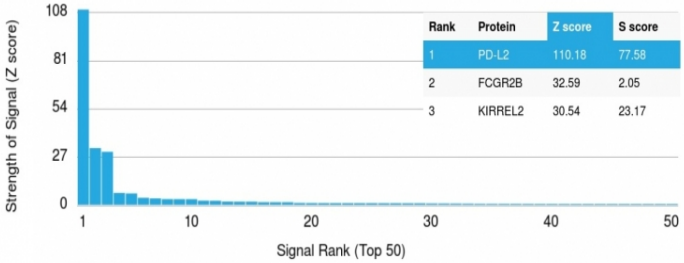
Flow Cytometric Analysis of Jurkat cells using PD-L2 Mouse Monoclonal Antibody (PDL2/2676) followed by Goat anti-Mouse IgG-CF488 (Blue); Isotype Control (Red).



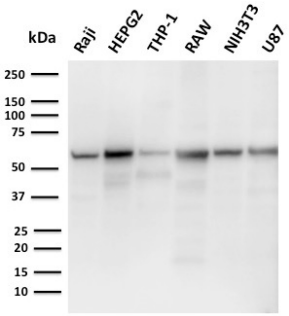
Immunofluorescence Analysis of Jurkat cells labeling PD-L2 with PD-L2 Mouse Monoclonal Antibody (PDL2/2676) followed by Goat anti-Mouse IgG-CF488 (Green). The nuclear counterstain is Reddot (Red).



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



Analysis of Protein Array containing more than 19,000 full-length human proteinsusing 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 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 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.



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

Specificity & Comments

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 Pdcd-1-Pdcd-L system could provide unique negative signaling to help prevent autoimmune disease.

Supplied As

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.

Storage and Stability

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.

Research Areas

Dendritic Cell Marker, Immunology, PD-1 blockade immunotherapy

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.

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