

Product Datasheet

CD274 Antibody (Biotin) (orb751161)

Catalog Number	orb751161
Category	Antibodies
Description	Mouse monoclonal antibody against CD274 conjugated to Biotin
Target	CD274
Clonality	Monoclonal
Species/Host	Mouse
Isotype	IgG2b
Conjugation	Biotin
Reactivity	Human, Mouse
Form/Appearance	200ug/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% rAlbumin & 0.05% azide. Also available WITHOUT rAlbumin & azide at 1.0mg/ml.
Concentration	Purified Ab conjugated to Biotin
Buffer/Preservatives	Antibody purified from Bioreactor Concentrate by Protein A/G and conjugated to Biotin. Prepared in 10mM PBS with 0.05% rAlbumin and 0.05% azide.
Purification	Protein A
Immunogen	Recombinant fragment (around aa 39-191) of human CD274 (PD-L1) protein (exact sequence is proprietary)
UniProt ID	Q9NZQ7
MW	37-50kDa

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Tested applications	ELISA, FC, IF, IHC, WB
Dilution range	Flow Cytometry (1-2ug/million cells); ,Immunofluorescence (1-2ug/ml); Western Blot (1-2ug/ml); ,Immunohistochemistry (Formalin-fixed) (1-2ug/ml at RT),(Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95 °C followed by cooling at RT for 20 minutes),Optimal dilution for a specific application should be determined.
Application notes	Positive Control: Jurkat, RAW, HEK293 or HepG2 cells. Human lung SqCC, cervical or breast carcinoma.
Specificity	Highly expressed in the heart, skeletal muscle, placenta and lung. Weakly expressed in the thymus, spleen, kidney and liver. Expressed on activated T- and B-cells, dendritic cells, keratinocytes and monocytes.
Clone Number	PDL1/2746
Expression System	Bioreactor
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Note	For research use only
Entrez	29126
Expiration Date	12 months from date of receipt.

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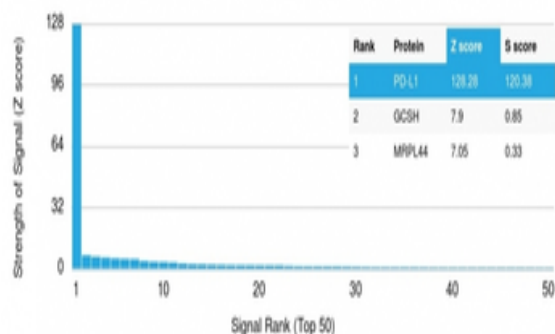
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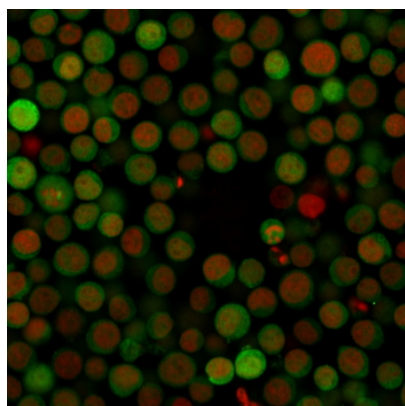
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Analysis of Protein Array containing more than 19000 full-length human proteins using PD-L1-Monospecific Mouse Monoclonal Antibody (PDL1/2746). Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination 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 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.



Immunofluorescent staining of Jurkat cells. PD-L1-Monospecific Mouse Monoclonal Antibody (PDL1/2746) followed by goat anti-mouse IgG-CF488 (green). Nuclei are stained with RedDot (red).

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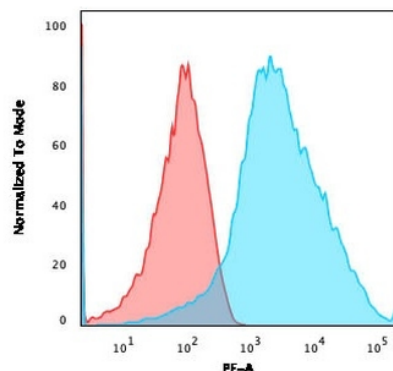
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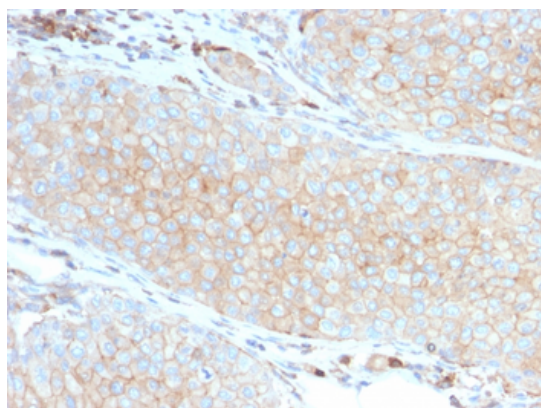
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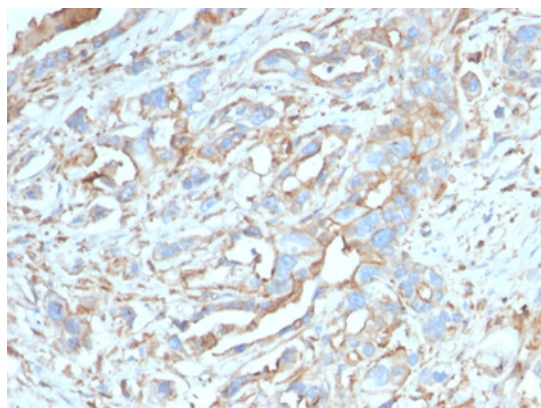
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Flow Cytometric Analysis of human Jurkat cells using PE-conjugated PD-L1 Mouse Monoclonal Antibody (PDL1/2746) (blue); isotype control (red).



Formalin-fixed, paraffin-embedded human basal cell carcinoma stained with PD-L1-Monospecific Mouse Monoclonal Antibody (PDL1/2746). HIER: Tris/EDTA, pH9.0, 45min. 2°: HRP-polymer, 30min. DAB, 5min.



Formalin-fixed, paraffin-embedded human breast carcinoma stained with PD-L1-Monospecific Mouse Monoclonal Antibody (PDL1/2746). HIER: Tris/EDTA, pH9.0, 45min. 2°: HRP-polymer, 30min. DAB, 5min.

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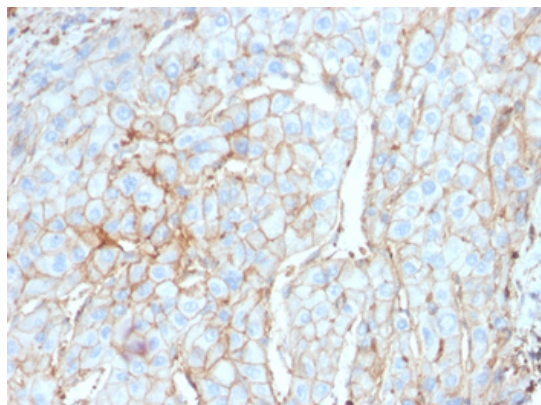
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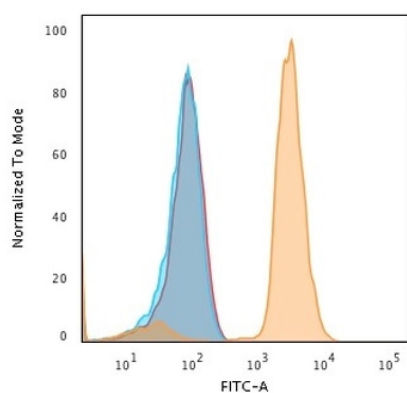
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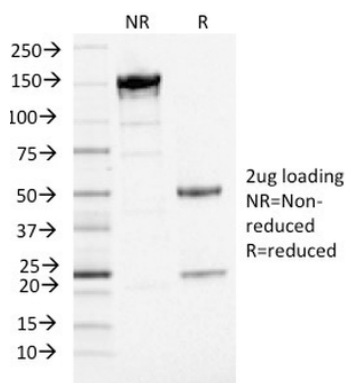
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Formalin-fixed, paraffin-embedded human cervical carcinoma stained with PD-L1-Monospecific Mouse Monoclonal Antibody (PDL1/2746). HIER: Tris/EDTA, pH9.0, 45min. 2°: HRP-polymer, 30min. DAB, 5min.



Immunofluorescent staining of Jurkat cells. PD-L1-Monospecific Mouse Monoclonal Antibody (PDL1/2746) followed by goat anti-Mouse IgG-CF488 (Green). Nuclei are stained with Reddot (Red).



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

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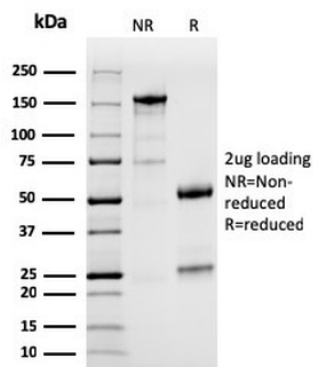
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SDS-PAGE Analysis of Purified PD-L1 Mouse Monoclonal Antibody (PDL1/2746). Confirmation of Purity and Integrity of Antibody.

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