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Product datasheet for TA355062

PD L2 (PDCD1LG2) Mouse Monoclonal Antibody [Clone ID: 8C12]

Product data:

Product Type:	Primary Antibodies
Clone Name:	8C12
Applications:	FC, IF, IHC, WB
Recommended Dilution:	WB: 0.5-1µg/mL. IHC starting at 2µg/mL.IF start at 20µg/mL.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	PD-L2 antibody was raised against the extracellular domain of human PD-L2.
Formulation:	PD-L2 Antibody is supplied in PBS containing 0.02% sodium azide.
Concentration:	1 mg/ml
Purification:	PD-L2 Antibody is supplied as protein A purified IgG1.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	Predicted: 30 kDa; Observed: 38 kDa
Gene Name:	programmed cell death 1 ligand 2
Database Link:	NP_079515 Entrez Gene 80380 Human Q9BQ51
Background:	PD-L2 Antibody: Cell-mediated immune responses are initiated by T lymphocytes that are themselves stimulated by co gnate peptides bound to MHC molecules on antigen-presenting cells (APC). T-cell activation is generally self-limited as activated T cells express receptors such as PD-1 (also known as PDCD-1) that mediate inhibitory signals from the APC. PD-1 can bind two different but related ligands, PD-L1 and PD-L2, both of which are thought act as a negative regulator of T cell activation. However, it has been suggested that PD-L2 can act to stimulate an immunogenic response through and alternative receptor from PD-1.

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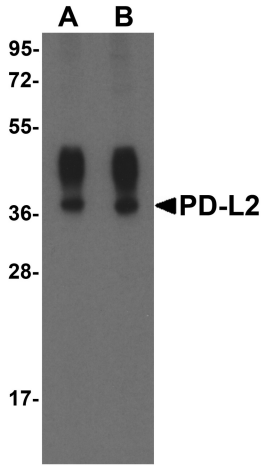
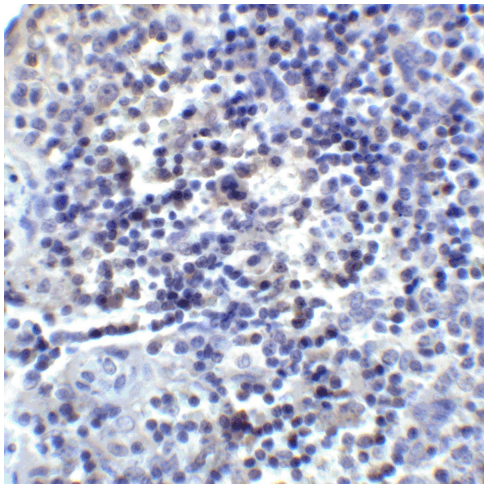
Synonyms: B7-DC; B7DC; bA574F11.2; Btdc; CD273; MGC142238; MGC142240; PD-L2; PDCD1L2; PDL2

Note: PD-L2 antibody can be used for detection of PD-L2 by Western blot at 0.5 - 1 µg/mL. Antibody can also be used for immunohistochemistry starting at 2 µg/mL. For immunofluorescence start at 20 µg/mL.

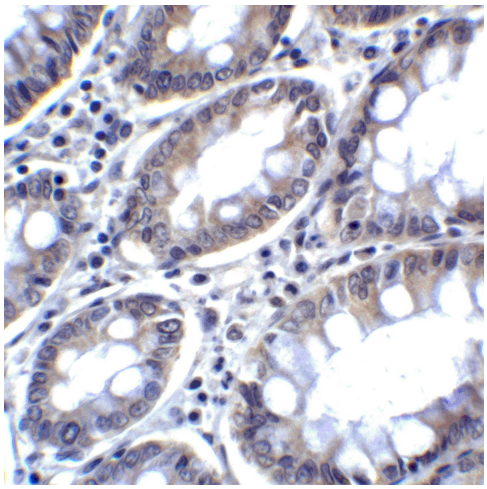
Product images:



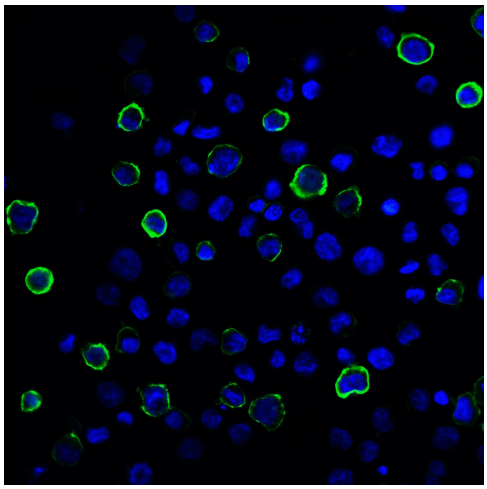
Western blot analysis of PD-L2 in overexpressing HEK293 cells PD-L2 antibody at 0.5 and 1ug/ml



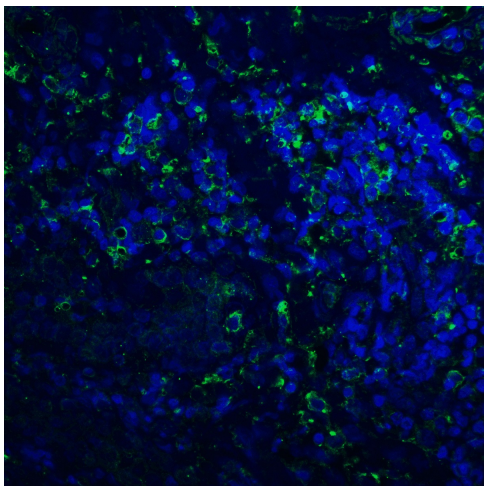
Immunohistochemistry of PD-L2 in human tonsil tissue with PD-L2 antibody at 2ug/ml.



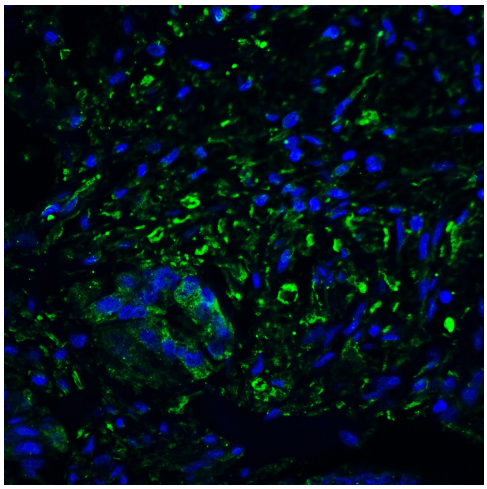
Immunohistochemistry of PD-L2 in human colon carcinoma tissue with PD-L2 antibody at 2ug/ml.



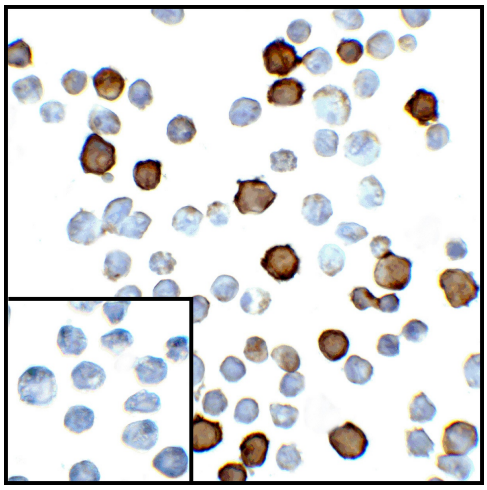
Immunofluorescence of PD-L2 in transfected HEK293 cells with PD-L2 antibody at 20ug/ml.



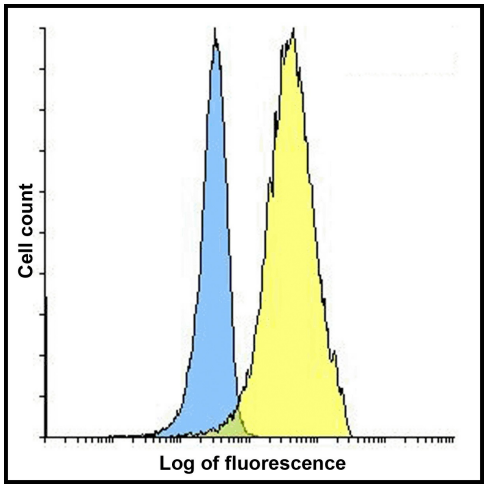
Immunofluorescence of PD-L2 in human tonsil tissue with PD-L2 antibody at 20ug/ml.



Immunofluorescence of PD-L2 in human colon carcinoma tissue with PD-L2 antibody at 20ug/ml.



Immunocytochemistry of PD-L2 in transfected HEK293 cells with PD-L2 antibody at 5ug/ml. Lower left: Immunocytochemistry in transfected HEK293 cells with control mouse IgG antibody at 5ug/ml.



Flow cytometry analysis of PD-L2 overexpressing HEK293 cells using PD-L2 antibody and control mouse IgG antibody at 10ug/ml. Blue: Untransfected HEK293 cells. Yellow: PD-L2 overexpressing HEK293 cells.