BOSTER BIOLOGICAL TECHNOLOGY
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Anti-PDL2 PDCD1LG2 Monoclonal Antibody [4E10]

Catalog Number: M03295

About PDCD1LG2

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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Overview

Product Name	Anti-PDL2 PDCD1LG2 Monoclonal Antibody [4E10]
Reactive Species	Human
Description	Boster Bio Anti-PDL2 PDCD1LG2 Monoclonal Antibody [4E10] (Catalog # M03295). Tested in ELISA, WB, IHC-P, ICC, IF, Flow Cytometry applications. This antibody reacts with Human.
Application	ELISA, Flow Cytometry, IF, IHC-P, ICC, WB
Clonality	Monoclonal Clone: 4E10
Formulation	PD-L2 Antibody is supplied in PBS containing 0.02% sodium azide and 50% glycerol.
Storage Instructions	PD-L2 antibody can be stored at 4°C for three months and -20°C, stable for up to one year. Avoid repeated freeze-thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
Host	Mouse
Uniprot ID	P9BQ51

Technical Details

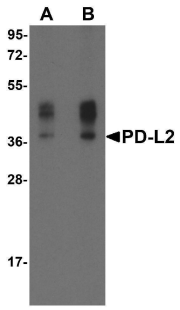
Immunogen	PD-L2 antibody was raised against the extracellular domain of human PD-L2.
Predicted Reactive Species	Mouse, Rat
Isotype	IgG1

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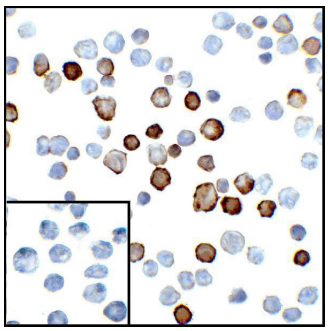
Form	Liquid
Concentration	1 mg/mL
Purification	PD-L2 Antibody is supplied as protein A purified IgG1.
Suggested Dilutions	PD-L2 antibody can be used for detection of PD-L2 by Western blot at 0.5 - 1 ug/mL. Antibody can also be used for immunohistochemistry starting at 2 ug/mL. For immunofluorescence start at 20 ug/mL. Antibody validated: Western Blot in human samples; Immunohistochemistry in human samples; Immunocytochemistry in human samples; Immunofluorescence in human samples and Flow Cytometry in mouse samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher.

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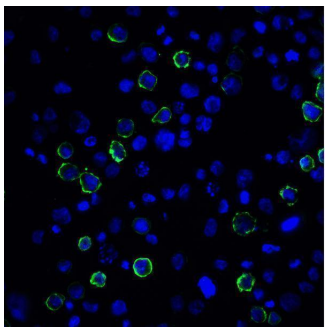
Anti-PDL2 PDCD1LG2 Monoclonal Antibody [4E10] (M03295) Images



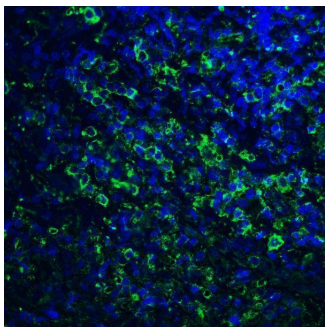
Western blot analysis of PD-L2 in overexpressing HEK293 cells PD-L2 antibody at 0.5 and 1 ug/ml



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



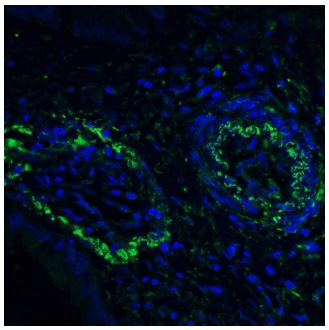
Immunofluorescence of PD-L2 in transfected HEK293 cells with PD-L2 antibody at 20 ug/mL. Green: PDL2 Antibody [4E10] (M03295) Blue: DAPI staining

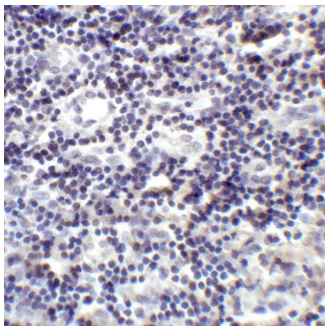


Immunofluorescence of PD-L2 in human tonsil tissue with PD-L2 antibody at 20 ug/mL. Green: PDL2 Antibody [4E10] (M03295) Blue: DAPI staining

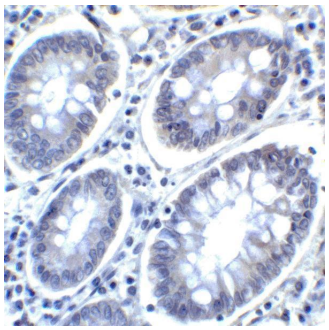
Immunofluorescence of PD-L2 in human colon carcinoma tissue with PD-L2 antibody at 20 ug/mL. Green: PDL2 Antibody [4E10] (M03295) Blue: DAPI staining

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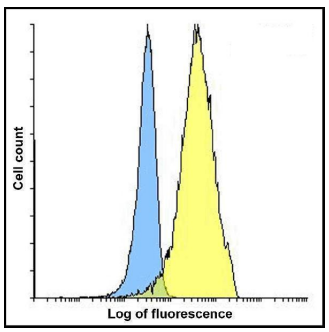




Immunohistochemistry of PD-L2 in human tonsil tissue with PD-L2 antibody at 2 ug/mL.



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



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

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