Mouse anti-Human PDL2 Monoclonal Antibody | anti-PDL2 antibody

PDL2 Antibody [4E10]

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA10985	**Mouse**	**Human**	**ELISA, Western Blot, Immunohistochemistry, Immunocytochemistry, Immunofluorescence, Flow Cytometry, Functional Assay**

PRODUCT SYNONYMS

PDL2; Monoclonal Antibody; PDL2 Antibody [4E10]; B7DC; Btdc; CD273; PD-L2; PDCD1L2; bA574F11.2; Programmed cell death 1 ligand 2; Butyrophilin B7-DC; PD-1 ligand 2; programmed cell death 1 ligand; anti-PDL2 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1
Clone Number	4E10
Purity/Purification	PD-L2 Antibody is supplied as protein A purified IgG1.
Form/Format	Liquid; Pd-L2 Antibody is supplied in PBS containing 0.02% sodium azide and 50% glycerol.
Concentration	1 mg/mL (varies by lot)
Sequence Length	273
Applicable Applications for anti-PDL2 antibody	ELISA, WB (Western Blot), IHC (Immunohistochemistry), ICC (Immunocytochemistry), IF (Immunofluorescence), FCM/FACS (Flow Cytometry)
Application Notes	WB at 0.5-1 ug/mL IHC starting at 2 ug/mL IF 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.
Immunogen	PD-L2 antibody was raised against the extracellular domain of human PD-L2.
Conjugate	Unconjugated
Preparation and Storage	Store at 4 degree C for three months and -20 degree C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

IMAGES

IF (Immunofluorescence)
Immunofluorescence of PD-L2 in human colon carcinoma tissue with PD-L2antibody at 20 ?g/mL. Green: PDL2 Antibody [4E10] (AAA10985)Blue: DAPI staining

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

IHC (Immunohistochemistry)
Immunohistochemistry of PD-L2 in human colon carcinoma tissue with PD-L2 antibody at 2 μg/mL.

IHC (Immunohistchemistry)
Immunohistochemistry of PD-L2 in human tonsil tissue with PD-L2 antibody at 2 μg/mL.

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

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

ADDITIONAL INFORMATION

Related Product Information for anti-PDL2 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.
Product Categories/Family for anti-PDL2 antibody	Immunology
References	Holling TM, Schooten E, and van Den Elsing PJ. Function and regulation of MHC class II molecules in T-lymphocytes: of mice and men. Hum. Immunol. 2004; 65:282-90. Ishida Y, Agata Y, Shibahara K, et al. Induced expression of PD-1, a novel member of the immunoglobulin gene superfamily, upon programmed cell death. EMBO J. 1992; 11:3887-95. LaGier J and Pober JS. Immune accessory functions of human endothelial cells are modulated by overexpression of B7-H1 (PDL1). Hum. Immunol. 2006; 67:568-78. Zhang Y, Chung Y, Bishop C, et al. Regulation of T cell activation and tolerance by PDL2. Proc. Natl. Acad. Sci. USA 2006; 103:11695-700.

NCBI AND UNIPROT INFORMATION

NCBI GI #	190014605
NCBI GeneID	80380
NCBI Accession #	NP_079515
NCBI GenBank Nucleotide #	NM_025239.3
UniProt Accession #	P9BQ51; Q14CN8; Q5T7Z6; Q6JXL8; Q6JXL9; Q9BQ51
Molecular Weight	Predicted: 30 kDa Observed: 38 kDa
NCBI Official Full Name	programmed cell death 1 ligand 2
NCBI Official Synonym Full Names	programmed cell death 1 ligand 2

NCBI Official Symbol	PDCD1LG2
NCBI Official Synonym Symbols	B7DC; Btdc; PDL2; CD273; PD-L2; PDCD1L2; bA574F11.2
NCBI Protein Information	programmed cell death 1 ligand 2
UniProt Protein Name	Programmed cell death 1 ligand 2
UniProt Gene Name	**PDCD1LG2**
UniProt Synonym Gene Names	B7DC; CD273; PDCD1L2; PDL2; PD-1 ligand 2; PD-L2; PDCD1 ligand 2; Programmed death ligand 2; B7-DC

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: https://stage.aaabiotech.com/monoclonal/pdl2-antibody-clone-4e10-western-blot-immunohistochemistry-immunocytochemistry-immunofluorescence-flow-cytometry-elisa/10985