

Mouse anti-Human PD-L1 Monoclonal Antibody | anti-PD-L1 antibody

Monoclonal Antibody to PD-L1 (Clone: ABM4E54)

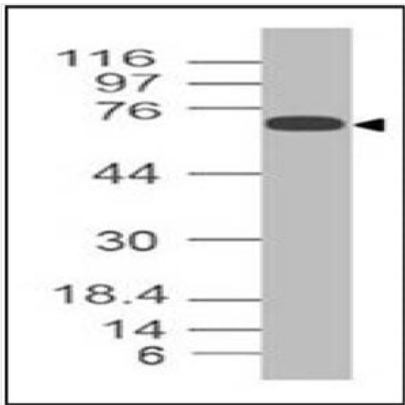
CATALOG # AAA14873	HOST Mouse	REACTIVITY Human	APPLICATIONS Immunohistochemistry, Flow Cytometry, Functional Assay, Western Blot
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PRODUCT SYNONYMS

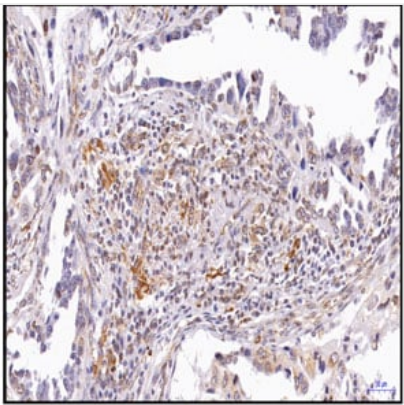
PD-L1; Monoclonal Antibody; Monoclonal Antibody to PD-L1 (Clone: ABM4E54); CD274; B7H1; PDCD1L1; PDCD1LG1; PDL1; anti-PD-L1 antibody

PRODUCT SPECIFICATIONS

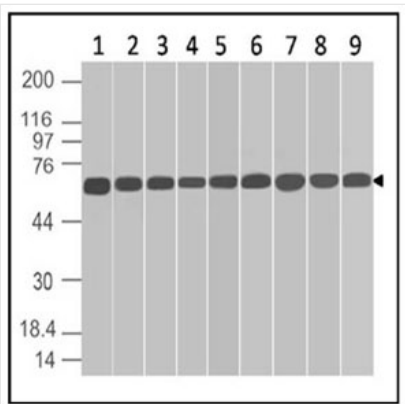
Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG2a Kappa
Clone Number	ABM4E54
Purity/Purification	Purified Protein G Chromatography
Form/Format	Purified
Sequence Length	290
Applicable Applications for anti-PD-L1 antibody	IHC (Immunohistochemistry), FCM/FACS (Flow Cytometry), WB (Western Blot)
Application Notes	WB: 2-4 ug/ml IHC: 5-10 ug/ml FACS: 1-2 ug/ml
Immunogen Information	A partial length recombinant PDL1 protein (amino acids 18-227) was used as the immunogen for this antibody.
Antigen	PDL1
Content	25 ug in 50 ul/100 ug in 200 ul PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly toxic.
Preparation and Storage	Store the antibody at 4 degree C, stable for 6 months. For long-term storage, store at -20 degree C. Avoid repeated freeze and thaw cycles.



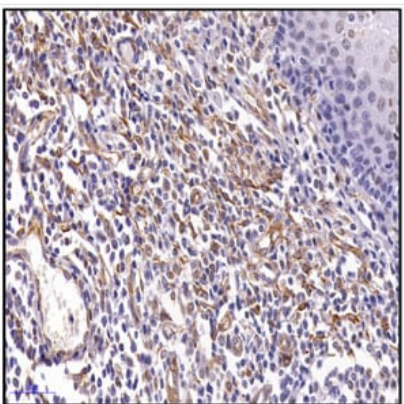
WB (Western Blot)
Western blot analysis of PD-L1. Anti-PD-L1 antibody (Clone: ABM4E54) was tested at 2 ug/ml on h Spleen lysate.



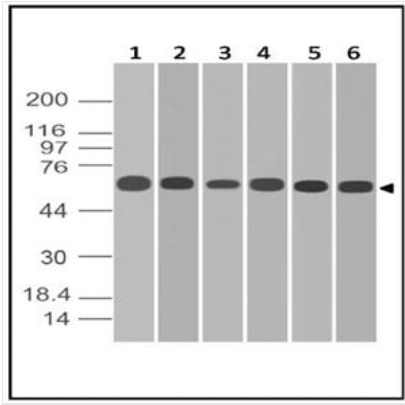
IHC (Immunohistochemistry)
Immunohistochemical analysis of PD-L1 in Human Lung Cancer tissue using PD-L1 antibody (Clone: ABM4E54).



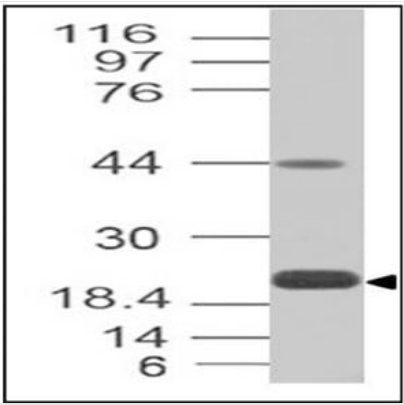
WB (Western Blot)
Western blot analysis of PD-L1. Anti-PD-L1 antibody (Clone: ABM4E54) was tested at 0.5 ug/ml on (1) HepG2, (2) SKBR3, (3) A431, (4) THP1, (5) NCCIT, (6) PC3, (7) PANC-1, (8) U87 and (9) KATO-111 lysates.



IHC (Immunohistochemistry)
Immunohistochemical analysis of PD-L1 in Human Tonsil tissue using PD-L1 antibody (Clone: ABM4E54) at 5 ug/ml.



WB (Western Blot)
Western blot analysis of PD-L1. Anti-PD-L1 antibody (Clone: ABM4E54) was tested at 2 ug/ml on (1) A549, (2) MCF-7, (3) 293, (4) HCT-116, (5) Saos2 and (6) Hela lysates.



WB (Western Blot)
Western blot analysis of PD-L1. Anti-PD-L1 antibody (Clone: ABM4E54) was tested at 0.5 ug/ml on Recombinat lysates.

ADDITIONAL INFORMATION

Related Product Information for anti-PD-L1 antibody	PD-L1 (CD274/B7-H1) is a critical membrane-bound costimulatory molecule belongs to the B7 superfamily that inhibits immune responses through its receptor, PD-1 and PD-L1 play a key role in the pathogenesis of inflammatory diseases (programmed death 1). It is widely expressed in the mononuclear phagocyte system (MPS), may co-stimulate T cells and regulates inflammatory responses. PD-L1 exerts inflammation regulatory functions via a negative co-stimulatory effect on T cell functions to inhibit cytokine secretion, facilitate apoptosis of activated T cells and induce T cell anergy. Aberrant expression and dysregulation of CD274 have been reported during bacterial infection, inflammation and in numerous autoimmune diseases.
Product Categories/Family for anti-PD-L1 antibody	Antibodies; Cancer Marker

NCBI AND UNIPROT INFORMATION

NCBI GI #	83287884
NCBI GeneID	29126
UniProt Accession #	Q9NZQ7; Q14CJ2; Q2V8D5; Q66RK1; Q6WEX4; Q9NUZ5; B2RBA2; B4DU27
Molecular Weight	20,454 Da
NCBI Official Full Name	Programmed cell death 1 ligand 1
NCBI Official Synonym Full Names	CD274 molecule
NCBI Official Symbol	CD274
NCBI Official Synonym Symbols	B7-H; B7H1; PDL1; PD-L1; PDCD1L1; PDCD1LG1
NCBI Protein Information	programmed cell death 1 ligand 1
UniProt Protein Name	Programmed cell death 1 ligand 1
UniProt Gene Name	CD274
UniProt Synonym Gene Names	B7H1; PDCD1L1; PDCD1LG1; PDL1; PD-L1; PDCD1 ligand 1; Programmed death ligand 1; B7-H1

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.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/pd-l1-antibody-clone-abm4e54-immunohistochemistry-flow-cytometry-western-blot-elisa/14873>