

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

Anti-PD-L1 [332M7], Human IgG1

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA72282	Human	Human, Mouse, Cynomolgus Monkey	Flow Cytometry, Functional Assay

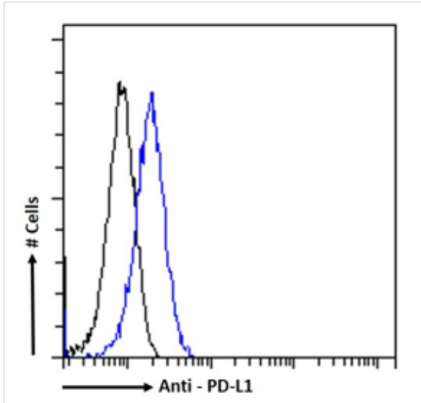
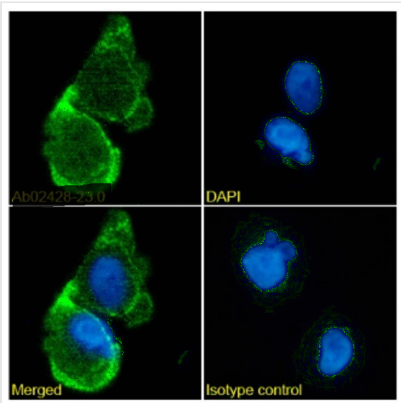
PRODUCT SYNONYMS

PD-L1; Anti-PD-L1 [332M7]; Human IgG1; CD274; PDL1; B7-H1; B7H1; B7 homolog 1; hPD-L1; PDCD1L1; PDCD1LG1; PDCD1 ligand 1; Programmed cell death 1 ligand 1; Programmed death ligand 1; anti-PD-L1 antibody

PRODUCT SPECIFICATIONS

Host	Human
Reactivity	Human, Mouse, Cynomolgus Monkey
Isotype	Human IgG1, Kappa
Clone Number	332M7
Specificity	This antibody strongly binds human and cynomolgus monkey PD-L1 and shows weak binding for mouse PD-L1. PD-L1 is highly expressed in many human tumors.. PD-L1 exerts an immune suppressive signal through binding to PD-1 and B7.1, and tumor expression of PD-L1 can mediate cancer immune evasion. Blocking this pathway, therefore provides a rationale for cancer immunotherapy.
Purity/Purification	Protein A affinity purified
Form/Format	PBS with 0.02% Proclin 300.
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-PD-L1 antibody	Blocking, FCM/FACS (Flow Cytometry)
Immunogen	The original antibody was generated by immunizing BALB/c mice with recombinant human PD-L1.
Preparation and Storage	Store at 4 degree C for up to 3 months. For longer storage, aliquot and store at -20 degree C.

IMAGES



IF (Immunofluorescence)
Immunofluorescence staining of MDA-MB-231 cells with anti-PD-L1 (AAA72282) 332M7. Immunofluorescence analysis of paraformaldehyde fixed MDA-MB-231 cells stained with the chimeric rabbit IgG version of 332M7 (AAA72282-23.0) at 10 ug/ml for 1h followed by Alexa Fluor 488 secondary antibody (2 ug/ml), showing membrane staining. The nuclear stain is DAPI (blue). Panels show from left-right, top-bottom AAA72282-23.0, DAPI, merged channels and an isotype control. The isotype control was an unknown specificity antibody followed by staining with Alexa Fluor 488 secondary antibody.

FCM/FACS (Flow Cytometry)
Flow cytometry using the Anti-PD-L1 antibody 332M7 (AAA72282). Paraformaldehyde fixed MDA-MB-231 cells permeabilized with 0.5% Triton were stained with anti-unknown specificity antibody or the rabbit IgG version of 332M7 (AAA72282-23.0, blue line) at a dilution of 1:100 for 1h at RT. After washing, the bound antibody was detected using a goat anti-rabbit IgG AlexaFluor 488 antibody at a dilution of 1:1000 and cells analyzed using a FACSCanto flow-cytometer.

ADDITIONAL INFORMATION

Related Product Information for anti-PD-L1 antibody	The binding characterization of this antibody towards human, mouse and cynomolgus monkey PD-L1 was done using flow cytometry. This antibody was shown to block the binding of hPD-1-Fc protein to hPD-L1 expressed on the surface of the HEK-293T cells at a concentration of 10 ug/ml. The mouse version of this antibody was reported to inhibit patient derived melanoma tumor in tumor-bearing mice. There was also found an increase in the gene expression of CD8 and IFN-gamma in tumor samples from mice treated with mouse version of this antibody (US20180346571).
Product Categories/Family for anti-PD-L1 antibody	cancer; oncology; tumor
References	US20180346571 PMID:

NCBI AND UNIPROT INFORMATION

NCBI GI #	390979639
NCBI GeneID	29126
NCBI Accession #	NP_001254635.1
NCBI GenBank Nucleotide #	NM_001267706.1
UniProt Accession #	Q9NZQ7; Q14CJ2; Q2V8D5; Q66RK1; Q6WEX4; Q9NUZ5; B2RBA2; B4DU27
Molecular Weight	33,275 Da
NCBI Official Full Name	programmed cell death 1 ligand 1 isoform b
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; B7 homolog 1; CD274 antigen; PDCD1 ligand 1; programmed death 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
UniProt Entry Name	PD1L1_HUMAN

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/human-cynomolgus-monkey-human-monkey-mouse-antibody/pd-l1/72282>