

PD-L1 recombinant antibody

Rabbit anti-PD-L1 Recombinant Monoclonal Antibody [BLR227K]

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA213649	Rabbit	Human	Flow Cytometry, Functional Assay, Immunoprecipitation, Western Blot

PRODUCT SYNONYMS

PD-L1; Monoclonal Recombinant Antibody; Rabbit anti-PD-L1 Recombinant Monoclonal Antibody [BLR227K]; PDCD1L1; Programmed death ligand 1; programmed cell death 1 ligand 1; PDL1; PDCD1LG1; PDCD1 ligand 1; CD274 antigen; CD antigen CD274; B7-H1; B7H1; B7 homolog 1; B7-H; Programmed cell death 1 ligand 1; CD274 molecule; PD-L1 recombinant antibody

PRODUCT SPECIFICATIONS

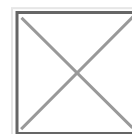
Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Clone Number	BLR227K
Purity/Purification	Purified
Form/Format	Liquid. Whole IgG. Borate Buffered Saline (BBS) pH 8.2 with 0.1% BSA and 0.09% Sodium Azide
Concentration	100ug/ml (varies by lot)
Applicable Applications for PD-L1 recombinant antibody	FCM/FACS (Flow Cytometry), IP (Immunoprecipitation), WB (Western Blot)
Immunogen	Residues 19-238 (ECD)
Conjugation	Unconjugated
Preparation and Storage	Store at 2-8 degree C Shelf Life: 1 year from date of receipt

IMAGES



WB (Western Blot)

Detection of human PD-L1 by western blot. Samples: Whole cell lysate (25 ug) from RKO, HeLa, SUP-M2, HEK293T, and HDLM-2 cells prepared using NETN lysis buffer. Antibody: Rabbit anti-PD-L1 recombinant monoclonal antibody (AAA213649 lot 1) used at 1:1000. Secondary: HRP-conjugated goat anti-rabbit IgG . Detection: Chemiluminescence with an exposure time of 3 minutes. Lower Panel: Rabbit anti-Actin recombinant monoclonal antibody .



IP (Immunoprecipitation)

Detection of human PD-L1 by western blot of immunoprecipitates. Samples: Whole cell lysate (1.0 mg per IP reaction; 5% of IP loaded) from RKO cells prepared using NETN lysis buffer. Antibodies: Rabbit anti-PD-L1 recombinant monoclonal antibody (AAA213649 lot 1) used for IP at 20 ul/mg lysate. PD-L1 was also immunoprecipitated by a second antibody against a different epitope of PD-L1 . For blotting immunoprecipitated PD-L1, AAA213649 was used at 1:1000. Detection: Chemiluminescence with an exposure time of 30 seconds.



FCM/FACS (Flow Cytometry)

Detection of human PD-L1 (shaded) in HDLM-2 cells by flow cytometry. Antibody: Rabbit anti-PD-L1 recombinant monoclonal antibody (AAA213649) or isotype control (unshaded). Secondary: DyLight 650-conjugated goat anti-rabbit IgG .

ADDITIONAL INFORMATION

Related Product Information for PD-L1 recombinant antibody	PD-L1 is an immune inhibitory receptor ligand that is expressed by hematopoietic and non-hematopoietic cells, such as T cells and B cells and various types of tumor cells. PD-L1 is a type I transmembrane protein that has immunoglobulin V-like and C-like domains. Interaction of this ligand with its receptor inhibits T-cell activation and cytokine production. During infection or inflammation of normal tissue, this interaction is important for preventing autoimmunity by maintaining homeostasis of the immune response. In tumor microenvironments, this interaction provides an immune escape for tumor cells through cytotoxic T-cell inactivation. Expression of this gene in tumor cells is considered to be prognostic in many types of human malignancies, including colon cancer and renal cell carcinoma [taken from NCBI Entrez Gene (Gene ID: 55193)].
Product Categories/Family for PD-L1 recombinant antibody	Primary Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	7661534
NCBI GeneID	29126
NCBI Accession #	NP_054862.1
NCBI GenBank Nucleotide #	NM_014143.3
UniProt Accession #	Q9NZQ7; Q14CJ2; Q2V8D5; Q66RK1; Q6WEX4; Q9NUZ5; B2RBA2; B4DU27
Molecular Weight	20,246 Da
NCBI Official Full Name	programmed cell death 1 ligand 1 isoform a
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
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/monoclonal/pd-l1-recombinant-antibody-clone-blr227k-flow-cytometry-immunoprecipitation-western-blot-elisa/213649>