

PD-L1 recombinant antibody

PD-L1 Single Domain Antibody [F6A9]

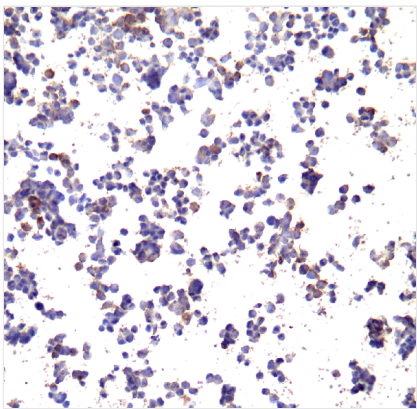
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA40970	Llama	Human	Immunocytochemistry, Flow Cytometry, Functional Assay

PRODUCT SYNONYMS

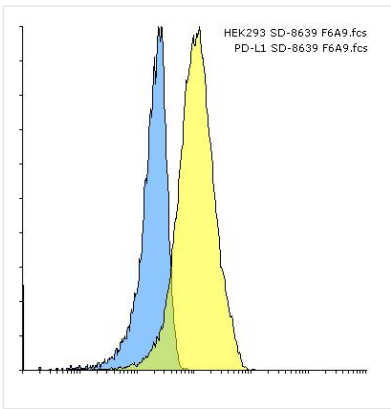
PD-L1; Monoclonal Recombinant Antibody; PD-L1 Single Domain Antibody [F6A9]; PD-L1 Antibody: B7-H; B7H1; PDL1; PDCD1L1; PDCD1LG1; Programmed cell death 1 ligand 1; B7 homolog 1; CD274; PD-L1 recombinant antibody

PRODUCT SPECIFICATIONS

Host	Llama
Reactivity	Human
Clonality	Monoclonal
Clone Number	F6A9
Specificity	At least three isoforms of PD-L1 are known to exist.
Purity/Purification	PD-L1 Antibody is affinity chromatography purified via Nickel column. Antibody is supplied as a His-tagged purified protein. It also contains a myc-tag for detection.
Form/Format	Liquid; PD-L1 Antibody is supplied in PBS.
Concentration	1mg/mL (varies by lot)
Applicable Applications for PD-L1 recombinant antibody	ICC (Immunocytochemistry), FCM/FACS (Flow Cytometry)
Immunogen	PD-L1 antibody was raised against a recombinant protein corresponding to amino acids 19 - 239 of human PD-L1.
Research Area	Immunology, Cancer, Cell Cycle
NCBI Organism	Homo sapiens
Preparation and Storage	PD-L1 antibody should be stored in working aliquots at -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.



ICC (Immunocytochemistry)
Immunocytochemistry of PD-L1 in transfected 293 cells with PD-L1 antibody at 10ug/ml.



FCM/FACS (Flow Cytometry)
Flow cytometry analysis of PD-L1 transfected 293 cells using PD-L1 [F6A9] antibody at 10ug/ml. Blue: untransfected cells, Yellow: PD-L1 transfected cells.

ADDITIONAL INFORMATION

Related Product Information for PD-L1 recombinant antibody	PD-L1 Antibody: Cell-mediated immune responses are initiated by T lymphocytes that are themselves stimulated by cognate 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. PD-L1 is a B7-related protein that inhibits cell-mediated immune responses by reducing the secretion of IL-2 and IL-10 from memory T cells. This suggests that PD-L1 may be useful in reducing allogenic CD4+ memory T-cell responses to endothelial cells, thereby reducing the likelihood of host immune responses to allografts.
Product Categories/Family for PD-L1 recombinant antibody	Primary Antibodies
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.

NCBI AND UNIPROT INFORMATION

NCBI GI #	7661534
NCBI GeneID	29126
NCBI Accession #	NP_054862
NCBI GenBank Nucleotide #	NM_014143.3
UniProt Accession #	Q9NZQ7; Q14CJ2; Q2V8D5; Q66RK1; Q6WEX4; Q9NUZ5; B2RBA2; B4DU27
Molecular Weight	Predicted: 33kDa Observed: 37kDa
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; 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/monoclonal/pd-l1-recombinant-antibody-clone-f6a9-immunocytochemistry-flow-cytometry-elisa/40970>