

Mouse PD-L1/B7-H1 PicoKine ELISA Kit | Cd274 elisa kit

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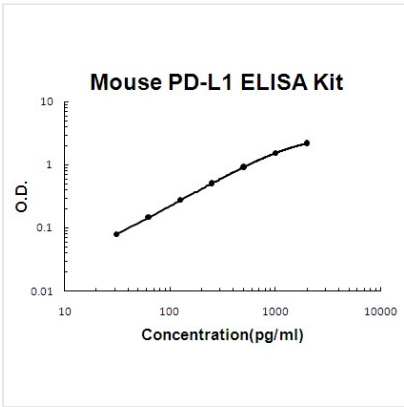
CATALOG # AAA46194	REACTIVITY Mouse
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PRODUCT SYNONYMS

PD-L1/B7-H1 PicoKine; Mouse PD-L1/B7-H1 PicoKine ELISA Kit; Programmed cell death 1 ligand 1; B7 H; B7H; B7 H1; B7-H1; B7H1; CD 274; CD274; PD L1; PD-L1; PDL 1; PDL1; CD274 molecule; Cd274 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Natural and recombinant mouse PD-L1
Sequence Length	290
Assay Range	31.2pg/ml-2000pg/ml
Sensitivity	<10pg/ml
Sample	For quantitative detection of mouse PD-L1 in cell culture supernates, serum and plasma(heparin, EDTA).
Immunogen	NSO, F19-H239
Assay Procedure Step 1	Aliquot 0.1ml per well of the 2000pg/ml,1000pg/ml, 500pg/ml, 250pg/ml, 125pg/ml, 62.5pg/ml, 31.2pg/ml mouse PD-L1 standard solutions into the precoated 96-well plate. Add 0.1ml of the sample diluent buffer into the control well (Zero well). Add 0.1ml of each properly diluted sample of mouse cell culture supernates, serum or plasma(heparin, EDTA) to each empty well. It is recommended that each mouse PD-L1 standard solution and each sample be measured in duplicate.
Intra-Assay Precision	Inter-Assay Precision Sample 1 2 3 1 2 3 n 16 16 16 24 24 24 Mean(pg/ml) 68.3 283 1310 87.4 311 1527 Standard deviation 3.55 17.83 62.88 6.03 23.64 109.94 CV(%) 5.2 6.3 4.8 6.9 7.6 7.2
Sample Data	Concentration(pg/ml) 0 31.2 62.5 125 250 500 1000 2000 O.D. 0.007 0.078 0.146 0.274 0.506 0.914 1.523 2.170
Anticoagulant	Heparin or EDTA
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles.



Standard Curve (Sample)
Mouse PD-L1/B7-H1 PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for Cd274 elisa kit	Principle of the assay: Mouse PD-L1 ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from rat specific for PD-L1 has been precoated onto 96-well plates. Standards(Expression system for standard: NSO, Immunogen sequence: F19-H239) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for PD-L1 is added subsequently and then followed by washing with PBS or TBS buffer. Avidin-Biotin-Peroxidase Complex was added and unbound conjugates were washed away with PBS or TBS buffer. HRP substrate TMB was used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the mouse PD-L1 amount of sample captured in plate. Background: Programmed death-ligand 1 (PD-L1), also known as cluster of differentiation 274 (CD274) or B7 homolog 1 (B7-H1), is a protein that in humans is encoded by the CD274 gene. PD-L1 is a 40kDa type 1 transmembrane protein that has been speculated to play a major role in suppressing the immune system during particular events such as pregnancy, tissue allografts, autoimmune disease and other disease states such as hepatitis. Normally the immune system reacts to foreign antigens where there is some accumulation in the lymph nodes or spleen which triggers a proliferation of antigen-specific CD8+ T cell. The formation of PD-1 receptor / PD-L1 or B7.1 receptor /PD-L1 ligand complex transmits an inhibitory signal which reduces the proliferation of these CD8+ T cells at the lymph nodes and supplementary to that PD-1 is also able to control the accumulation of foreign antigen specific T cells in the lymph nodes through apoptosis which is further mediated by a lower regulation of the gene Bcl-2.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	11230798
NCBI GeneID	60533
NCBI Accession #	NP_068693.1
NCBI GenBank Nucleotide #	NM_021893.3
UniProt Accession #	Q9EP73
Molecular Weight	32,780 Da
NCBI Official Full Name	programmed cell death 1 ligand 1
NCBI Official Synonym Full Names	CD274 antigen
NCBI Official Symbol	Cd274
NCBI Official Synonym Symbols	B7h1; Pdl1; Pdcd1l1; Pdcd1lg1; A530045L16Rik
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_MOUSE

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://www.aaabiotech.com/mouse-elisa-kits/pd-l1-b7-h1-picokine/46194>