

Mouse Programmed Cell Death Protein 1 (PD1) ELISA Kit | PD1 elisa kit

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CATALOG #
AAA189732

REACTIVITY
Mouse

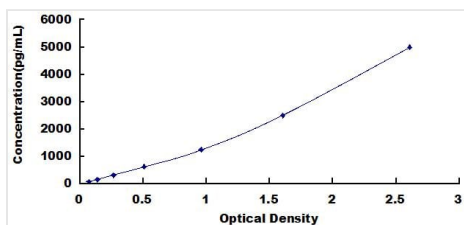
PRODUCT SYNONYMS

Programmed Cell Death Protein 1 (PD1); Mouse Programmed Cell Death Protein 1 (PD1) ELISA Kit; CD279; PDCD1; SLEB2; HPD1P; PD1/Programmed Cell Death Protein 1; PD1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of PD1. No significant cross-reactivity or interference between PD1 and analogues was observed.
Assay Type	Quantitative Sandwich
Samples	Mouse tissue homogenates, cell lysates and other biological fluids
Detection Range	78-5,000pg/mL
Sensitivity	< 32pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level PD1 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level PD1 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	Store at 4 degree C for 1 month/-20 degree C for long-term (within shelf life) Shelf Life: 8 months The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PD1 elisa kit	Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to PD1. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to PD1. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain PD1, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of PD1 in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of PD1 in mouse tissue homogenates, cell lysates and other biological fluids.
Product Categories/Family for PD1 elisa kit	Apoptosis; Immune molecule; Endocrinology; Autoimmunity

NCBI AND UNIPROT INFORMATION

NCBI GI #	400743
NCBI GeneID	18566
UniProt Accession #	Q02242
Molecular Weight	31,842 Da
NCBI Official Full Name	Programmed cell death protein 1
NCBI Official Synonym Full Names	programmed cell death 1
NCBI Official Symbol	Pdcd1
NCBI Official Synonym Symbols	PD-1; Pdc1; Ly101
NCBI Protein Information	programmed cell death protein 1; mPD-1; protein PD-1
UniProt Protein Name	Programmed cell death protein 1
UniProt Gene Name	Pdcd1
UniProt Synonym Gene Names	Pd1; Protein PD-1; mPD-1
UniProt Entry Name	PDCD1_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://stage.aaabiotech.com/mouse-elisa-kits/programmed-cell-death-protein-1-pd1/189732>