

Mouse Pyruvate Dehydrogenase Phosphatase (PDP) ELISA Kit | PDP elisa kit

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CATALOG #
AAA64172

REACTIVITY
Mouse

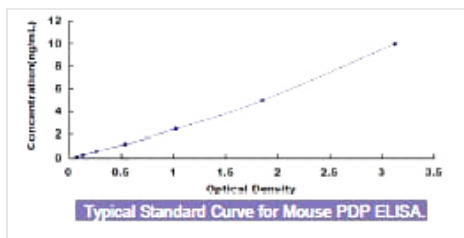
PRODUCT SYNONYMS

Pyruvate Dehydrogenase Phosphatase (PDP); Mouse Pyruvate Dehydrogenase Phosphatase (PDP) ELISA Kit; PDP1; PDH; PPM2C; Protein Phosphatase 2C Magnesium-Dependent Catalytic Subunit; Pyruvate Dehydrogenase Phosphatase Catalytic Subunit 1; PDP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of PDP. No significant cross-reactivity or interference between PDP and analogues was observed.
Sequence Length	538
Samples	Serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids.
Assay Type	Sandwich
Detection Range	3.125-200U/L
Sensitivity	1.3U/L
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level PDP 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 PDP were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PDP elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of PDP in mouse serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to PDP. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to PDP. 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 PDP, 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 PDP in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	84794625
NCBI GeneID	381511
NCBI Accession #	NP_001028625.1
NCBI GenBank Nucleotide #	NM_001033453.3
UniProt Accession #	Q3UV70
Molecular Weight	61,180 Da
NCBI Official Full Name	[Pyruvate dehydrogenase
NCBI Official Synonym Full Names	pyruvate dehydrogenase phosphatase catalytic subunit 1
NCBI Official Symbol	Pdp1
NCBI Official Synonym Symbols	Ppm2c; Gm1024
NCBI Protein Information	[Pyruvate dehydrogenase [acetyl-transferring]]-phosphatase 1, mitochondrial
UniProt Protein Name	[Pyruvate dehydrogenase [acetyl-transferring]]-phosphatase 1, mitochondrial
UniProt Gene Name	Pdp1
UniProt Synonym Gene Names	Ppm2c; PDP 1; PDPC 1

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/pyruvate-dehydrogenase-phosphatase-pdp/64172>