

Human Pyruvate Dehydrogenase Phosphatase (PDP) RTU ELISA Kit | PDP rtu elisa kit

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CATALOG #
AAA217726

REACTIVITY
Human

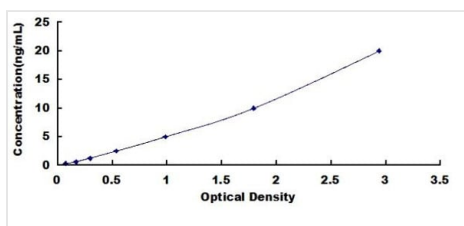
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Human
Sequence Length	562
Assay Type	Sandwich
Samples	Tissue Homogenates, Cell Lysates or Other Biological Fluids.
Detection Range	0.312-20ng/mL
Sensitivity	0.099ng/mL
RTU ELISA Kit's Advantage	The Ready-To-Use (RTU) Kits require fewer steps in setup and take less time to run. Detection Solutions are pre-diluted and total incubation time is shorter than many other ELISA Kits.
Preparation and Storage	For unopened kits: All the reagents should be kept at 4 degree C upon receipt. For opened kits: Once the kit is opened, the remaining reagents still need to be stored according to the above storage conditions. In addition, return the unused wells to the foil pouch containing the desiccant pack and reseal along entire edge of zip-seal.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PDP rtu elisa kit

Test Principle: 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 $\pm$ 10nm. The concentration of PDP in the samples is then determined by comparing the O.D. of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	239985422
NCBI GeneID	54704
NCBI Accession #	NP_001155251.1
NCBI GenBank Nucleotide #	NM_001161779.1
UniProt Accession #	Q9P0J1; Q5U5K1; B3KX71; J3KPU0
Molecular Weight	63,695 Da
NCBI Official Full Name	pyruvate dehydrogenase phosphatase catalytic subunit 1 isoform 2
NCBI Official Synonym Full Names	pyruvate dehydrogenase phosphatase catalytic subunit 1
NCBI Official Symbol	PDP1
NCBI Official Synonym Symbols	PDH; PDP; PDPC; PPM2A; PPM2C
NCBI Protein Information	pyruvate dehydrogenase phosphatase catalytic subunit 1
UniProt Protein Name	[Pyruvate dehydrogenase [acetyl-transferring]]-phosphatase 1, mitochondrial
UniProt Gene Name	PDP1
UniProt Synonym Gene Names	PDP; 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://www.aaabiotech.com/human-rtu-elisa-kits/pyruvate-dehydrogenase-phosphatase-pdp/217726>