

Human Pyruvate Dehydrogenase Phosphatase ELISA Kit | PDP elisa kit

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CATALOG #
AAA85307

REACTIVITY
Human

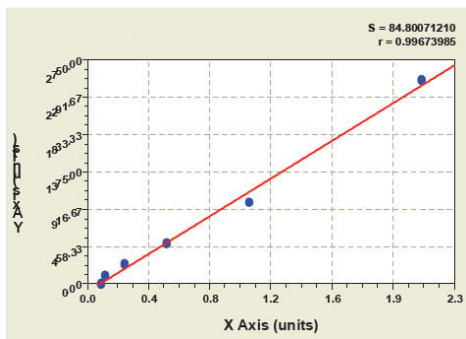
PRODUCT SYNONYMS

Pyruvate Dehydrogenase Phosphatase; Human Pyruvate Dehydrogenase Phosphatase ELISA Kit; PDP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive or Sandwich
Detection Range	100-2500pg/mL
Sensitivity	1.0pg/mL
Intended Uses	This PDP ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human PDP. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PDP elisa kit

Principle of the Assay: PDP ELISA kit applies the quantitative sandwich enzyme immunoassay technique. The microtiter plate has been pre-coated with a monoclonal antibody specific for PDP. Standards or samples are then added to the microtiter plate wells and PDP if present, will bind to the antibody pre-coated wells. In order to quantitatively determine the amount of PDP present in the sample, a standardized preparation of horseradish peroxidase (HRP) -conjugated polyclonal antibody, specific for PDP are added to each well to "sandwich" the PDP immobilized on the plate. The microtiter plate undergoes incubation, and then the wells are thoroughly washed to remove all unbound components. Next, substrate solutions are added to each well. The enzyme (HRP) and substrate are allowed to react over a short incubation period. Only those wells that contain PDP and enzyme-conjugated antibody will exhibit a change in color. The enzyme-substrate reaction is terminated by addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The PDP concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	386763995
NCBI GeneID	31683
NCBI Accession #	NP_001245567.1
NCBI GenBank Nucleotide #	NM_001258638.2
Molecular Weight	53,551 Da
NCBI Official Full Name	pyruvate dehydrogenase phosphatase, isoform B
NCBI Official Synonym Full Names	Pyruvate dehydrogenase phosphatase
NCBI Official Symbol	Pdp
NCBI Official Synonym Symbols	153332_at; CG12151; DmelCG12151; pdp; PDP
NCBI Protein Information	CG12151 gene product from transcript CG12151-RB; CG12151-PA; CG12151-PB; Pdp-PA; Pdp-PB; pyruvate dehydrogenase phosphatase
UniProt Protein Name	GM14286p
UniProt Gene Name	Pdp
UniProt Synonym Gene Names	CG12151; Dmel_CG12151
UniProt Entry Name	Q9W3Q1_DROME

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/pdp-human-elisa-kits/pyruvate-dehydrogenase-phosphatase/85307>