

Chicken Pyruvate Dehydrogenase Phosphatase ELISA Kit | PDP elisa kit

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CATALOG #
AAA92460

REACTIVITY
Chicken

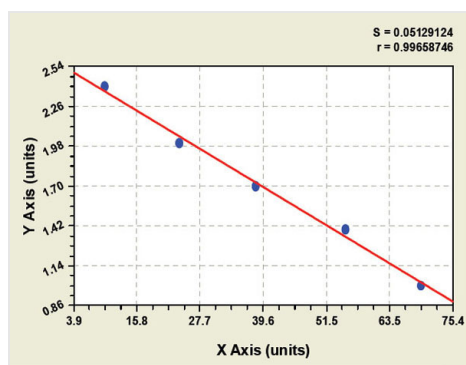
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Chicken
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	1.0 U/L
Preparation and Storage	Store all reagents at 2-8 degree C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PDP elisa kit

Intended Uses: This PDP ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Chicken PDP. This ELISA kit for research use only!

Principle of the Assay: PDP ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-PDP antibody and an PDP-HRP conjugate. The assay sample and buffer are incubated together with PDP-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the PDP concentration since PDP from samples and PDP-HRP conjugate compete for the anti-PDP antibody binding site. Since the number of sites is limited, as more sites are occupied by PDP from the sample, fewer sites are left to bind PDP-HRP conjugate. 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.

Product Categories/Family for PDP elisa kit

Metabolism

NCBI AND UNIPROT INFORMATION

NCBI GI #	386763995
NCBI GeneID	31683
NCBI Accession #	NP_001245567.1
NCBI GenBank Nucleotide #	NM_001258638.1
UniProt Accession #	Q9W3Q1
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 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-chicken-elisa-kits/pyruvate-dehydrogenase-phosphatase/92460>