

Canine Pyruvate Dehydrogenase Phosphatase ELISA Kit | PDP elisa kit

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CATALOG #
AAA90188

REACTIVITY
Canine

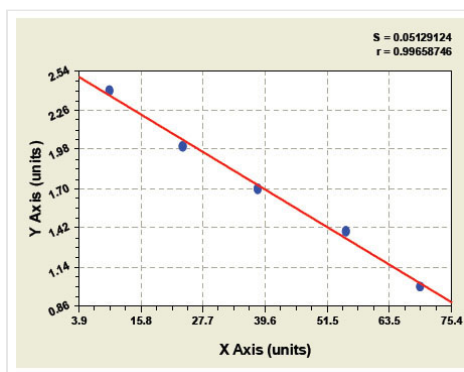
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Canine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	10-250 U/L
Sensitivity	1.0U/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	For samples: Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
	INTENDED USE This PDP ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine 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.

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-canine-elisa-kits/pyruvate-dehydrogenase-phosphatase/90188>