

Rat Pyridoxal /pyridoxine vitamin B6 -phosphatase ELISA Kit | PDXP elisa kit

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CATALOG #
AAA87037

REACTIVITY
Rat

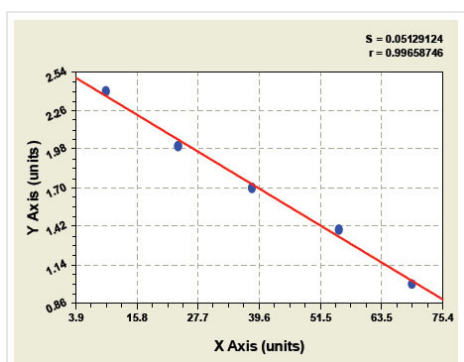
PRODUCT SYNONYMS

Pyridoxal /pyridoxine vitamin B6 -phosphatase; Rat Pyridoxal /pyridoxine vitamin B6 -phosphatase ELISA Kit; PDXP elisa kit

PRODUCT SPECIFICATIONS

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

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PDXP elisa kit

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

Principle of the Assay: PDXP ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-PDXP antibody and an PDXP-HRP conjugate. The assay sample and buffer are incubated together with PDXP-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 PDXP concentration since PDXP from samples and PDXP-HRP conjugate compete for the anti-PDXP antibody binding site. Since the number of sites is limited, as more sites are occupied by PDXP from the sample, fewer sites are left to bind PDXP-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The PDXP concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	119580581
NCBI GeneID	57026
Molecular Weight	31,698 Da
NCBI Official Full Name	pyridoxal (pyridoxine, vitamin B6) phosphatase, isoform CRA_a
NCBI Official Synonym Full Names	pyridoxal (pyridoxine, vitamin B6) phosphatase
NCBI Official Symbol	PDXP
NCBI Official Synonym Symbols	CIN; PLP; dJ37E16.5
NCBI Protein Information	pyridoxal phosphate phosphatase; chronophin; PLP phosphatase
UniProt Protein Name	Pyridoxal phosphate phosphatase
UniProt Gene Name	PDXP
UniProt Synonym Gene Names	CIN; PLP; PLPP; PLP phosphatase
UniProt Entry Name	PLPP_HUMAN

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/pdpx-rat-elisa-kits/pyridoxal-pyridoxine-vitamin-b6-phosphatase/87037>