

Guinea Pig Triphosphopyridine nucleotide ELISA Kit | TPN elisa kit

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CATALOG #
AAA96367

REACTIVITY
Guinea Pig

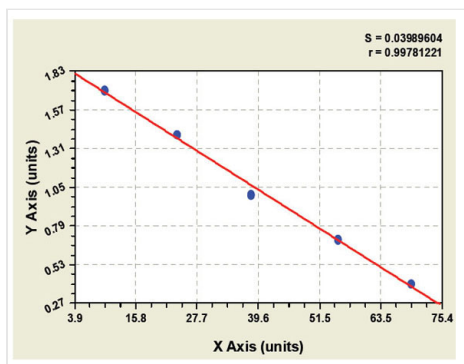
PRODUCT SYNONYMS

Triphosphopyridine nucleotide; Guinea pig Triphosphopyridine nucleotide ELISA Kit; TPN elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Guinea Pig
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	2.5-50ng/mL
Sensitivity	0.1ng/mL
Intended Uses	This TPN ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Guinea pig TPN. This ELISA kit for research use only, not for therapeutic applications
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Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TPN elisa kit	Principle of the Assay: TPN ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-TPN antibody and an TPN-HRP conjugate. The assay sample and buffer are incubated together with TPN-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 TPN concentration since TPN from samples and TPN-HRP conjugate compete for the anti-TPN antibody binding site. Since the number of sites is limited, as more sites are occupied by TPN from the sample, fewer sites are left to bind TPN-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The TPN concentration in each sample is interpolated from this standard curve.
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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/tpn-guinea-pig-pig-elisa-kits/triphosphopyridine-nucleotide/96367>