

Canine Triphosphopyridine nucleotide ELISA Kit | TPN elisa kit

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CATALOG #
AAA97382

REACTIVITY
Canine

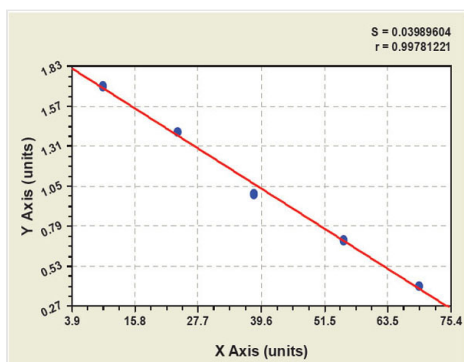
PRODUCT SYNONYMS

Triphosphopyridine nucleotide; Canine Triphosphopyridine nucleotide ELISA Kit; TPN elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	2.5-50ng/mL
Sensitivity	0.1ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



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.

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.

