

Chicken Purine Nucleoside Phosphorylase ELISA Kit | PNP elisa kit

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CATALOG #
AAA94800

REACTIVITY
Chicken

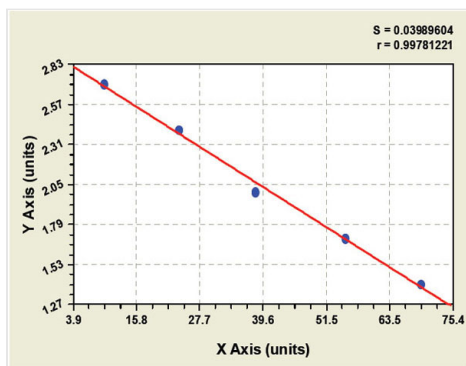
PRODUCT SYNONYMS

Purine Nucleoside Phosphorylase; Chicken Purine Nucleoside Phosphorylase ELISA Kit; PNP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Chicken
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Intended Uses	This PNP ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Chicken PNP. 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 PNP elisa kit

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

NCBI AND UNIPROT INFORMATION

NCBI GI #	157168362
NCBI GeneID	4860
NCBI Accession #	NP_000261.2
NCBI GenBank Nucleotide #	NM_000270.3
Molecular Weight	32,118 Da
NCBI Official Full Name	purine nucleoside phosphorylase
NCBI Official Synonym Full Names	purine nucleoside phosphorylase
NCBI Official Symbol	PNP
NCBI Official Synonym Symbols	NP; PUNP; PRO1837
NCBI Protein Information	purine nucleoside phosphorylase; HEL-S-156an; inosine phosphorylase; inosine-guanosine phosphorylase; epididymis secretory sperm binding protein Li 156an; purine-nucleoside:orthophosphate ribosyltransferase
UniProt Protein Name	Purine nucleoside phosphorylase
UniProt Gene Name	PNP
UniProt Synonym Gene Names	NP; PNP
UniProt Entry Name	PNPH_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.