

Guinea Pig Protein Tyrosine Phosphatase Receptor Type N ELISA Kit | PTPRN elisa kit

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CATALOG #
AAA86608

REACTIVITY
Guinea Pig

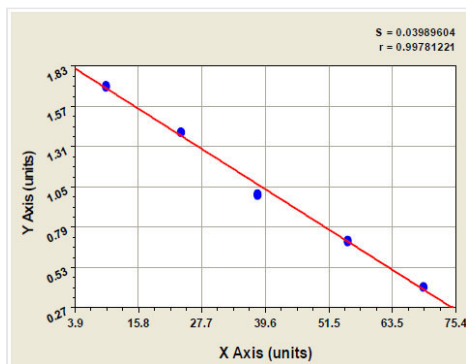
PRODUCT SYNONYMS

Protein Tyrosine Phosphatase Receptor Type N; Guinea pig Protein Tyrosine Phosphatase Receptor Type N ELISA Kit; PTPRN elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Guinea Pig
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	1.0-25ng/mL
Sensitivity	0.1ng/mL
Intended Uses	This PTPRN ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Guinea pig PTPRN. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PTPRN elisa kit

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

NCBI AND UNIPROT INFORMATION

NCBI GI #	39644800
NCBI GeneID	5798
Molecular Weight	96,261 Da
NCBI Official Full Name	PTPRN protein, partial
NCBI Official Synonym Full Names	protein tyrosine phosphatase, receptor type, N
NCBI Official Symbol	PTPRN
NCBI Official Synonym Symbols	IA2; IA-2; ICA512; R-PTP-N; IA-2/PTP
NCBI Protein Information	receptor-type tyrosine-protein phosphatase-like N; ICA 512; PTP IA-2; islet cell antigen 2; islet cell antigen 512; islet cell autoantigen 3; protein tyrosine phosphatase-like N
UniProt Protein Name	Receptor-type tyrosine-protein phosphatase-like N
UniProt Gene Name	PTPRN
UniProt Synonym Gene Names	ICA3; ICA512; R-PTP-N; ICA 512
UniProt Entry Name	PTPRN_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/ptprn-guinea-pig-pig-elisa-kits/protein-tyrosine-phosphatase-receptor-type-n/86608>