

Guinea Pig Protein Tyrosine Phosphatase Receptor Type R ELISA Kit | PTPRR elisa kit

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CATALOG #
AAA81913

REACTIVITY
Guinea Pig

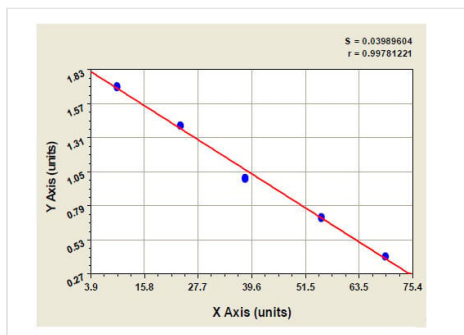
PRODUCT SYNONYMS

Protein Tyrosine Phosphatase Receptor Type R; Guinea pig Protein Tyrosine Phosphatase Receptor Type R ELISA Kit; PTPRR 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 PTPRR ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Guinea pig PTPRR. 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 PTPRR elisa kit

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

NCBI AND UNIPROT INFORMATION

NCBI GI #	83406052
NCBI GeneID	5801
Molecular Weight	61,415 Da
NCBI Official Full Name	PTPRR protein
NCBI Official Synonym Full Names	protein tyrosine phosphatase, receptor type, R
NCBI Official Symbol	PTPRR
NCBI Official Synonym Symbols	PTPRQ; EC-PTP; PCPTP1; PTP-SL; PTPBR7
NCBI Protein Information	receptor-type tyrosine-protein phosphatase R; R-PTP-R; NC-PTPCOM1; ch-1PTPase; Ch-1 PTPase; protein-tyrosine phosphatase PCPTP1; protein tyrosine phosphatase Cr1PTPase; protein-tyrosine phosphatase NC-PTPCOM1
UniProt Protein Name	Receptor-type tyrosine-protein phosphatase R
UniProt Gene Name	PTPRR
UniProt Synonym Gene Names	ECPTP; PTPRQ; R-PTP-R
UniProt Entry Name	PTPRR_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/ptprr-guinea-pig-pig-elisa-kits/protein-tyrosine-phosphatase-receptor-type-r/81913>