

Guinea Pig Protein tyrosine phosphatase 1B ELISA Kit | PTP1B elisa kit

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CATALOG #
AAA95238

REACTIVITY
Guinea Pig

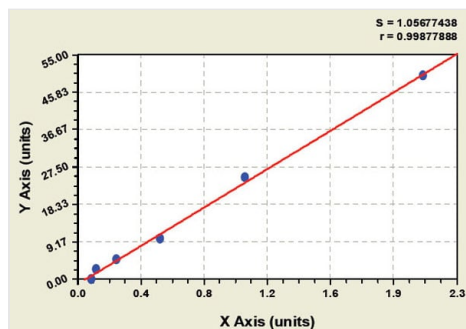
PRODUCT SYNONYMS

Protein tyrosine phosphatase 1B; Guinea pig Protein tyrosine phosphatase 1B ELISA Kit; PTP1B elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Guinea Pig
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Sandwich
Intended Uses	This PTP1B ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Guinea pig PTP1B. 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 PTP1B elisa kit

Principle of the Assay: PTP1B ELISA kit applies the quantitative sandwich enzyme immunoassay technique. The microtiter plate has been pre-coated with a monoclonal antibody specific for PTP1B. Standards or samples are then added to the microtiter plate wells and PTP1B if present, will bind to the antibody pre-coated wells. In order to quantitatively determine the amount of PTP1B present in the sample, a standardized preparation of horseradish peroxidase (HRP)-conjugated polyclonal antibody, specific for PTP1B are added to each well to "sandwich" the PTP1B immobilized on the plate. The microtiter plate undergoes incubation, and then the wells are thoroughly washed to remove all unbound components. Next, substrate solutions are added to each well. The enzyme (HRP) and substrate are allowed to react over a short incubation period. Only those wells that contain PTP1B and enzyme-conjugated antibody will exhibit a change in color. The enzyme-substrate reaction is terminated by addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The PTP1B concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	13919645
NCBI GeneID	5770
Molecular Weight	49,967 Da
NCBI Official Full Name	protein tyrosine phosphatase 1B, partial
NCBI Official Synonym Full Names	protein tyrosine phosphatase, non-receptor type 1
NCBI Official Symbol	PTPN1
NCBI Official Synonym Symbols	PTP1B
NCBI Protein Information	tyrosine-protein phosphatase non-receptor type 1; protein-tyrosine phosphatase 1B; protein tyrosine phosphatase, placental
UniProt Protein Name	Tyrosine-protein phosphatase non-receptor type 1
UniProt Gene Name	PTPN1
UniProt Synonym Gene Names	PTP1B; PTP-1B
UniProt Entry Name	PTN1_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/ptp1b-guinea-pig-pig-elisa-kits/protein-tyrosine-phosphatase-1b/95238>