

Human PTP1B ELISA Kit | PTP1B elisa kit

Human PTP1B(protein tyrosine phosphatase 1B)ELISA Kit

CATALOG #
AAA165918

REACTIVITY
Human

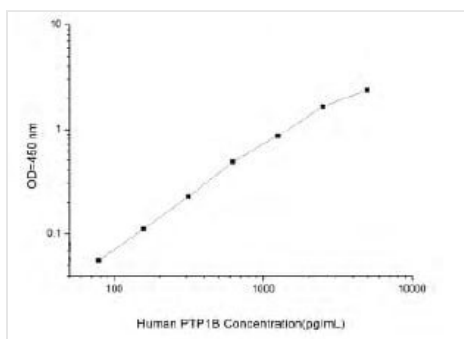
PRODUCT SYNONYMS

PTP1B; Human PTP1B(protein tyrosine phosphatase 1B)ELISA Kit; PTP1B elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This kit recognizes Human PTP1B in samples. No significant cross-reactivity or interference between Human PTP1B and analogues was observed.
Sequence Length	433
Samples	Serum, plasma and other biological fluids
Assay Type	Quantitative Sandwich
Detection Range	78.13-5000pg/mL
Sensitivity	46.88pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, mid range and high level Human PTP1B were tested 20 times on one plate, respectively.
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, mid range and high level Human PTP1B were tested on 3 different plates, 20 replicates in each plate.
Preparation and Storage	Store at 4 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PTP1B elisa kit	Intended Uses: This ELISA kit applies to the in vitro quantitative determination of Human PTP1B concentrations in serum, plasma and other biological fluids. Principle of the Assay: This ELISA kit uses the Sandwich-ELISA principle. The micro ELISA plate provided in this kit has been pre-coated with an antibody specific to Human PTP1B. Standards or samples are added to the micro ELISA plate wells and combined with the specific antibody. Then a biotinylated detection antibody specific for Human PTP1B and Avidin-Horseradish Peroxidase (HRP) conjugate are added successively to each micro plate well and incubated. Free components are washed away. The substrate solution is added to each well. Only those wells that contain Human PTP1B, biotinylated detection antibody and Avidin-HRP conjugate will appear blue in color. The enzyme-substrate reaction is terminated by the addition of stop solution and the color turns yellow. The optical density (OD) is measured spectrophotometrically at a wavelength of 450 nm +/- 2 nm. The OD value is proportional to the concentration of Human PTP1B. You can calculate the concentration of Human PTP1B in the samples by comparing the OD of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	182891548
NCBI GeneID	30081
Molecular Weight	49,124 Da
NCBI Official Full Name	Ptp1b protein
NCBI Official Synonym Full Names	protein tyrosine phosphatase, non-receptor type 1
NCBI Official Symbol	ptpn1
NCBI Official Synonym Symbols	ptp1b; wu:fk54h03
NCBI Protein Information	tyrosine-protein phosphatase non-receptor type 1; PTP-1B; fk54h03; protein tyrosine phosphatase 1b; protein-tyrosine phosphatase 1B
UniProt Protein Name	Tyrosine-protein phosphatase non-receptor type
UniProt Gene Name	ptpn1
UniProt Entry Name	Q7SYN6_DANRE

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://www.aaabiotech.com/human-elisa-kits/ptp1b/165918>