Human Protein Tyrosine Phosphatase Receptor Type U ELISA Kit | PTPRU elisa kit

Human Protein Tyrosine Phosphatase Receptor Type U (PTPRU) (Sandwich ELISA) ELISA Kit

CATALOG #	REACTIVITY
AAA189918	**Human**

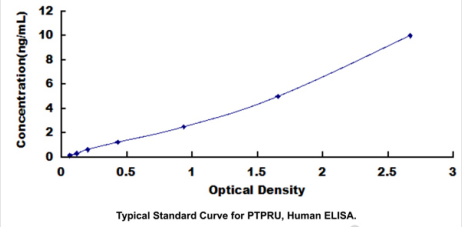
PRODUCT SYNONYMS

Protein Tyrosine Phosphatase Receptor Type U; Human Protein Tyrosine Phosphatase Receptor Type U (PTPRU) (Sandwich ELISA) ELISA Kit; PTPRO; GLEPP1; PTPU2; PTP; FMI; PCP-2; PTP-J; PTP-PI; PTPPSI; R-PTP-PSI; hPTP-J; Pancreatic carcinoma phosphatase 2; Protein-tyrosine phosphatase receptor omicron; ELISA Kit for Protein Tyrosine Phosphatase Receptor Type U (PTPRU); PTPRU elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of PTPRU. No significant cross-reactivity or interference between PTPRU and analogues was observed.
Assay Type	Quantitative Sandwich
Samples	Human tissue homogenates, cell lysates and other biological fluids
Detection Range	0.156-10ng/mL
Sensitivity	< 0.054ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level PTPRU were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level PTPRU were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	4 degree C for 1 month/ -20 degree C for long-term(within shelf life). Shelf life is one year

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PTPRU elisa kit	Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to PTPRU. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to PTPRU. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain PTPRU, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of PTPRU in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of PTPRU in human tissue homogenates, cell lysates and other biological fluids.
Product Categories/Family for PTPRU elisa kit	Signal transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	303304997
NCBI GeneID	10076
NCBI Accession #	NP_001181930.1
NCBI GenBank Nucleotide #	NM_001195001.1
UniProt Accession #	Q92729; O00197; P78399; Q59HA4; Q5SYU4; Q5SYU5; Q92735; Q92850; A6H8L1
Molecular Weight	161,648 Da
NCBI Official Full Name	receptor-type tyrosine-protein phosphatase U isoform 4
NCBI Official Synonym Full Names	protein tyrosine phosphatase, receptor type U
NCBI Official Symbol	PTPRU
NCBI Official Synonym Symbols	FMI; PTP; PCP-2; PTP-J; PTPRO; PTPU2; PTP-PI; PTP-RO; PTPPSI; hPTP-J; R-PTP-U; R-PTP-PSI
NCBI Protein Information	receptor-type tyrosine-protein phosphatase U
UniProt Protein Name	Receptor-type tyrosine-protein phosphatase U
UniProt Gene Name	**PTPRU**
UniProt Synonym Gene Names	FMI; PCP2; PTPRO; R-PTP-U; PCP-2; PTP-J; hPTP-J; PTP pi; PTP-RO; R-PTP-psi

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://www.aaabiotech.com/ptpru-human-elisa-kits/protein-tyrosine-phosphatase-receptor-type-u/189918