

Human Protein Tyrosine Phosphatase Receptor Type S (PTPRS) ELISA Kit | PTPRS elisa kit

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CATALOG # AAA68075	REACTIVITY Human
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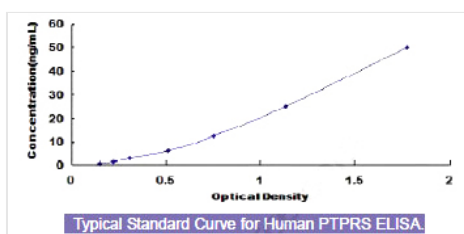
PRODUCT SYNONYMS

Protein Tyrosine Phosphatase Receptor Type S (PTPRS); Human Protein Tyrosine Phosphatase Receptor Type S (PTPRS) ELISA Kit; PTPRS elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of PTPRS. No significant cross-reactivity or interference between PTPRS and analogues was observed.
Sequence Length	1,501
Samples	Tissue homogenates, cell lysates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.781-50ng/mL
Sensitivity	0.27ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level PTPRS 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 PTPRS were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PTPRS elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of PTPRS in human tissue homogenates, cell lysates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to PTPRS. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to PTPRS. 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 PTPRS, 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 PTPRS in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	104487006
NCBI GeneID	5802
NCBI Accession #	NP_002841.3
NCBI GenBank Nucleotide #	NM_002850.3
UniProt Accession #	Q13332; O75255; O75870; Q15718; Q16341; Q2M3R7
Molecular Weight	168,394 Da
NCBI Official Full Name	receptor-type tyrosine-protein phosphatase S isoform 1
NCBI Official Synonym Full Names	protein tyrosine phosphatase, receptor type S
NCBI Official Symbol	PTPRS
NCBI Official Synonym Symbols	R-PTP-S; PTPSIGMA; R-PTP-sigma
NCBI Protein Information	receptor-type tyrosine-protein phosphatase S
UniProt Protein Name	Receptor-type tyrosine-protein phosphatase S
UniProt Gene Name	PTPRS
UniProt Synonym Gene Names	R-PTP-S; R-PTP-sigma

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/human-elisa-kits/protein-tyrosine-phosphatase-receptor-type-s-ptprs/68075>