

Sheep Protein Tyrosine Phosphatase Receptor Type O ELISA Kit | PTPRO elisa kit

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CATALOG #
AAA97322

REACTIVITY
Sheep

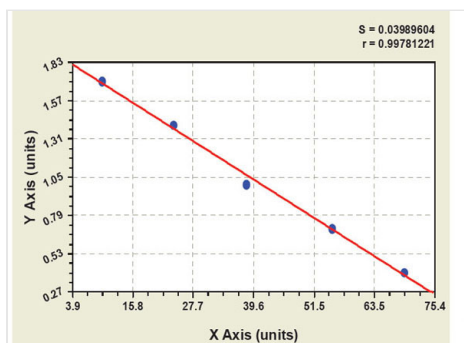
PRODUCT SYNONYMS

Protein Tyrosine Phosphatase Receptor Type O; Sheep Protein Tyrosine Phosphatase Receptor Type O ELISA Kit; PTPRO elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Sheep
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	1.0-25ng/mL
Sensitivity	0.1ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PTPRO elisa kit

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

Product Categories/Family for PTPRO elisa kit

[Signal Transduction](#)

NCBI AND UNIPROT INFORMATION

NCBI GI #	116496981
NCBI GeneID	5800
Molecular Weight	67,672 Da
NCBI Official Full Name	Protein tyrosine phosphatase, receptor type, O
NCBI Official Synonym Full Names	protein tyrosine phosphatase, receptor type, O
NCBI Official Symbol	PTPRO
NCBI Official Synonym Symbols	NPHS6; PTPU2; GLEPP1; PTP-OC; PTP-U2; PTPROT; R-PTP-O
NCBI Protein Information	receptor-type tyrosine-protein phosphatase O; PTP phi; PTPase U2; phosphotyrosine phosphatase U2; glomerular epithelial protein 1; protein tyrosine phosphatase PTP-U2; osteoclastic transmembrane protein-tyrosine phosphatase
UniProt Protein Name	Receptor-type tyrosine-protein phosphatase O
UniProt Gene Name	PTPRO
UniProt Synonym Gene Names	GLEPP1; PTPU2; R-PTP-O; PTP-U2; PTPase U2
UniProt Entry Name	PTPRO_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/ptpro-sheep-elisa-kits/protein-tyrosine-phosphatase-receptor-type-o/97322>