

Human Protein Tyrosine Phosphatase, Non Receptor Type 22 (PTPN22) ELISA Kit | PTPN22 elisa kit

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CATALOG #
AAA189811

REACTIVITY
Human

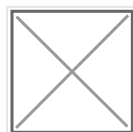
PRODUCT SYNONYMS

Protein Tyrosine Phosphatase; Non Receptor Type 22 (PTPN22); Human Protein Tyrosine Phosphatase; Non Receptor Type 22 (PTPN22) ELISA Kit; LYP; PEP; Lyp1; Lyp2; PTPN8; Lymphoid phosphatase; Hematopoietic cell protein-tyrosine phosphatase 70Z-PEP; PEST-domain phosphatase; PTPN22/Protein Tyrosine Phosphatase; Non Receptor Type 22; PTPN22 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of PTPN22. No significant cross-reactivity or interference between PTPN22 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	< 0.065ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level PTPN22 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 PTPN22 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	Store at 4 degree C for 1 month/-20 degree C for long-term (within shelf life) Shelf Life: 8 months The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PTPN22 elisa kit	Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to PTPN22. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to PTPN22. 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 PTPN22, 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 PTPN22 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 PTPN22 in human tissue homogenates, cell lysates and other biological fluids.
Product Categories/Family for PTPN22 elisa kit	Signal transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	301171669
NCBI GeneID	26191
NCBI Accession #	NP_001180360.1
NCBI GenBank Nucleotide #	NM_001193431.1
UniProt Accession #	Q9Y2R2; O95063; O95064; Q6IPX8; Q8WVM1; A0N0K6; B1ALC8; D4NZ71; E9PPI1
Molecular Weight	91,705 Da
NCBI Official Full Name	tyrosine-protein phosphatase non-receptor type 22 isoform 3
NCBI Official Synonym Full Names	protein tyrosine phosphatase, non-receptor type 22 (lymphoid)
NCBI Official Symbol	PTPN22
NCBI Official Synonym Symbols	LYP; PEP; LYP1; LYP2; PTPN8
NCBI Protein Information	tyrosine-protein phosphatase non-receptor type 22; lymphoid phosphatase; PEST-domain phosphatase; lymphoid-specific protein tyrosine phosphatase; protein tyrosine phosphatase, non-receptor type 8; hematopoietic cell protein-tyrosine phosphatase 70Z-PEP
UniProt Protein Name	Tyrosine-protein phosphatase non-receptor type 22
UniProt Gene Name	PTPN22
UniProt Synonym Gene Names	PTPN8; LyP; PEP
UniProt Entry Name	PTN22_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/human-elisa-kits/protein-tyrosine-phosphatase-non-receptor-type-22-ptpn22/189811>