

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

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CATALOG # AAA331235	REACTIVITY Human
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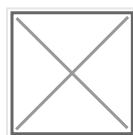
PRODUCT SYNONYMS

Tyrosine-Protein Phosphatase Non-Receptor Type 22 (PTPN22); Human Tyrosine-Protein Phosphatase Non-Receptor Type 22 (PTPN22) ELISA Kit; PTPN22; LYP; LYP1; LYP2; PEP; PTPN8; PEST-domain phosphatase; lymphoid-specific protein tyrosine phosphatase; protein tyrosine phosphatase; non-receptor type 8; PTPN22 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Tyrosine-protein phosphatase non-receptor type 22 (PTPN22) ELISA Kit has high sensitivity and excellent specificity for detection of Human PTPN22. No significant cross-reactivity or interference between Human PTPN22 and analogues was observed.
Sequence Length	779
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Human Tyrosine-protein phosphatase non-receptor type 22 (PTPN22) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for PTPN22 elisa kit	Description: This Human Tyrosine-protein phosphatase non-receptor type 22 (PTPN22) ELISA Kit employs a two-site sandwich ELISA to quantitate PTPN22 in samples. An antibody specific for PTPN22 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any PTPN22 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PTPN22 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of PTPN22 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Protein tyrosine phosphatase, non-receptor type 22 (lymphoid) is located on the short arm of Chromosome 1 near the telomere (1p13.2) on the Crick (minus) strand. It is 57,898 bases in length and encodes a protein of 807 amino acids (molecular weight 91,705 Da). There are 24 exons in the gene and 21 transcript variants encoding 10 distinct proteins are known. The proteins are located in the cytoplasm. This gene encodes a protein tyrosine phosphatase which is expressed primarily in lymphoid tissues. This enzyme associates with the molecular adapter protein CBL and may be involved in regulating CBL function in the T cell receptor signaling pathway.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	301171669
NCBI GeneID	26191
NCBI Accession #	NP_001180360.1
NCBI GenBank Nucleotide #	NP_001180360.1
UniProt Accession #	Q9Y2R2
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
NCBI Official Symbol	PTPN22
NCBI Official Synonym Symbols	LYP; PEP; LYP1; LYP2; PTPN8; PTPN22.5; PTPN22.6
NCBI Protein Information	tyrosine-protein phosphatase non-receptor type 22
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.