

Human PTPN22 (Protein tyrosine phosphatase, non-receptor type 22) ELISA Kit | PTPN22 elisa kit

Human PTPN22 (Protein tyrosine phosphatase, non-receptor type 22) ELISA Kit

CATALOG # AAA248924	REACTIVITY Human
-------------------------------	----------------------------

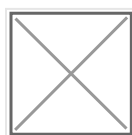
PRODUCT SYNONYMS

PTPN22 (Protein tyrosine phosphatase; non-receptor type 22); Human PTPN22 (Protein tyrosine phosphatase; non-receptor type 22) ELISA Kit; PTPN22 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of PTPN2. No significant cross-reactivity or interference between PTPN2 and analogues was observed.
Sequence Length	30
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	0.156-10ng/ml
Sensitivity	0.094ng/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level PTPN2 were tested 20 times on one plate, respectively. Intra-Assay: CV<8%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level PTPN2 were tested on 3 different plates, 8 replicates in each plate. CV (%) = SD/meanX100. Inter-Assay: CV<10%
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PTPN22 elisa kit	Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-PTPN2 antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-PTPN2 antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and washed with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the PTPN2 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of PTPN2 can be calculated.
---	---

NCBI AND UNIPROT INFORMATION

NCBI GI #	1149346773
NCBI GeneID	26191
Molecular Weight	78,769 Da
NCBI Official Full Name	protein tyrosine phosphatase non-receptor type 22, partial
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

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://stage.aaabiotech.com/human-elisa-kits/ptpn22-protein-tyrosine-phosphatase-non-receptor-type-22/248924>