

Human PTPN11 (Tyrosine-protein phosphatase non-receptor type 11) ELISA Kit | PTPN11 elisa kit

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CATALOG #
AAA248782

REACTIVITY
Human

PRODUCT SYNONYMS

PTPN11 (Tyrosine-protein phosphatase non-receptor type 11); Human PTPN11 (Tyrosine-protein phosphatase non-receptor type 11) ELISA Kit; PTPN11 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection ofPTPN11. No significant cross-reactivity or interference betweenPTPN11and analogues was observed.
Sequence Length	604
Assay Type	Sandwich ELISA, Double Antibody
Samples	cell or tissue lysate, Other liquid samples
Detection Range	0.313-20ng/ml
Sensitivity	0.188ng/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high levelPTPN11were 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 levelPTPN11were 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

Typical Data & Standard Curve

Results of a typical standard operation of a PTPN11 ELISA Kit are listed below. This standard curve was generated at our lab for demonstration purpose only. Users shall obtain standard curve as per experiment by themselves. (N/A:not applicable)

X	ng/ml	0	0.312	0.625	1.25	2.5	5	10	20
Y	OD450	0.014	0.211	0.403	0.656	1.027	1.481	1.646	1.932

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PTPN11 elisa kit

Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-PTPN11 antibody was pre-coated onto 96-well plates. And the biotin conjugated anti- PTPN11 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 PTPN11 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of PTPN11 can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	884964097
NCBI GeneID	105007638
NCBI GenBank Nucleotide #	XM_013137025.2
NCBI Official Full Name	PREDICTED: tyrosine-protein phosphatase non-receptor type 11
NCBI Official Symbol	ptpn11
NCBI Protein Information	tyrosine-protein phosphatase non-receptor type 11

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/ptpn11-tyrosine-protein-phosphatase-non-receptor-type-11/248782>