

Human Polypyrimidine Tract Binding Protein 1 (PTBP1) ELISA Kit | PTBP1 elisa kit

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CATALOG #
AAA93768

REACTIVITY
Human

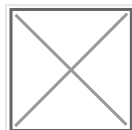
PRODUCT SYNONYMS

Polypyrimidine Tract Binding Protein 1 (PTBP1); Human Polypyrimidine Tract Binding Protein 1 (PTBP1) ELISA Kit; PTBP1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of PTBP1. No significant cross-reactivity or interference between PTBP1 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between PTBP1 and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	0.1 ng/mL
Intended Uses	This PLD ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human PLD. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PTBP1 elisa kit

Principle of the Assay: PTBP1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-PTBP1 antibody and an PTBP1-HRP conjugate. The assay sample and buffer are incubated together with PTBP1-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 PTBP1 concentration since PTBP1 from samples and PTBP1-HRP conjugate compete for the anti-PTBP1 antibody binding site. Since the number of sites is limited, as more sites are occupied by PTBP1 from the sample, fewer sites are left to bind PTBP1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The PTBP1 concentration in each sample is interpolated from this standard curve.

Intended Uses: This PTBP1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human PTBP1. This ELISA kit for research use only, not for therapeutic or test applications!

NCBI AND UNIPROT INFORMATION

NCBI GI #	14165466
NCBI GeneID	5725
NCBI Accession #	NP_114368.1
NCBI GenBank Nucleotide #	NM_031991.3
UniProt Accession #	P26599; Q9BUQ0
Molecular Weight	57,221 Da
NCBI Official Full Name	polypyrimidine tract-binding protein 1 isoform c
NCBI Official Synonym Full Names	polypyrimidine tract binding protein 1
NCBI Official Symbol	PTBP1
NCBI Official Synonym Symbols	PTB; PTB2; PTB3; PTB4; pPTB; HNRPI; PTB-1; PTB-T; HNRNPI; HNRNP-I
NCBI Protein Information	polypyrimidine tract-binding protein 1; hnRNP I; RNA-binding protein; 57 kDa RNA-binding protein PPTB-1; heterogeneous nuclear ribonucleoprotein I; heterogeneous nuclear ribonucleoprotein polypeptide I; polypyrimidine tract binding protein (heterogeneous nuclear ribonucleoprotein I)
UniProt Protein Name	Polypyrimidine tract-binding protein 1
UniProt Gene Name	PTBP1
UniProt Synonym Gene Names	PTB; PTB; hnRNP I
UniProt Entry Name	PTBP1_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/polypyrimidine-tract-binding-protein-1-ptbp1/93768>