

Human TATA Box Binding Protein ELISA Kit | TBP elisa kit

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 CATALOG #
AAA85223

 REACTIVITY
Human

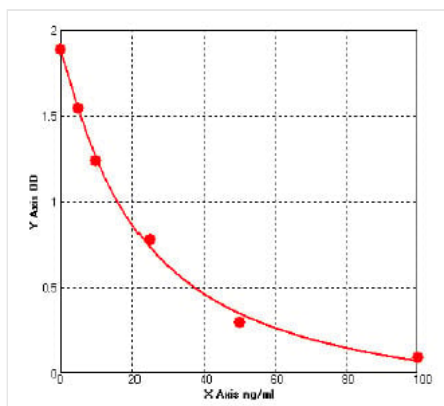
PRODUCT SYNONYMS

TATA Box Binding Protein; Human TATA Box Binding Protein ELISA Kit; TBP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of TBP. No significant cross-reactivity or interference between TBP and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between TBP and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	1.0 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TBP elisa kit	Intended Uses: This TBP ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human TBP. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: TBP ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-TBP antibody and an TBP-HRP conjugate. The assay sample and buffer are incubated together with TBP-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 TBP concentration since TBP from samples and TBP-HRP conjugate compete for the anti-TBP antibody binding site. Since the number of sites is limited, as more sites are occupied by TBP from the sample, fewer sites are left to bind TBP-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The TBP concentration in each sample is interpolated from this standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	48145669
NCBI GeneID	6908
UniProt Accession #	P20226; Q16845; Q6IBM6; Q9UC02; B4E3B3; F5H869
Molecular Weight	35,657 Da
NCBI Official Full Name	TBP
NCBI Official Synonym Full Names	TATA box binding protein
NCBI Official Symbol	TBP
NCBI Official Synonym Symbols	HDL4; GTF2D; SCA17; TFIID; GTF2D1
NCBI Protein Information	TATA-box-binding protein; TATA-box factor; TATA sequence-binding protein; TATA-box binding protein N-terminal domain; transcription initiation factor TFIID TBP subunit
UniProt Protein Name	TATA-box-binding protein
UniProt Gene Name	TBP
UniProt Synonym Gene Names	GTF2D1; TF2D; TFIID
UniProt Entry Name	TBP_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.