

Human Syntaxin binding protein 1 (STXBP1) ELISA Kit | STXBP1 elisa kit

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CATALOG #
AAA27333

REACTIVITY
Human

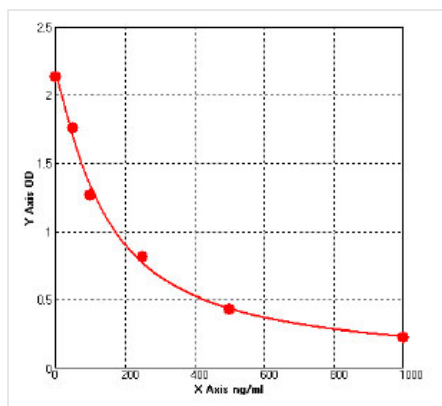
PRODUCT SYNONYMS

Syntaxin binding protein 1 (STXBP1); Human Syntaxin binding protein 1 (STXBP1) ELISA Kit; STXBP1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of STXBP1. No significant cross-reactivity or interference between STXBP1 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between STXBP1 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	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 STXBP1 elisa kit	Principle of the Assay: STXBP1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-STXBP1 antibody and an STXBP1-HRP conjugate. The assay sample and buffer are incubated together with STXBP1-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 STXBP1 concentration since STXBP1 from samples and STXBP1-HRP conjugate compete for the anti-STXBP1 antibody binding site. Since the number of sites is limited, as more sites are occupied by STXBP1 from the sample, fewer sites are left to bind STXBP1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The STXBP1 concentration in each sample is interpolated from this standard curve. Intended Uses: This STXBP1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human STXBP1. This ELISA kit for research use only, not for therapeutic or diagnostic applications!
Product Categories/Family for STXBP1 elisa kit	Neuroscience

NCBI AND UNIPROT INFORMATION

NCBI GI #	16041740
NCBI GeneID	6812
Molecular Weight	68,736 Da
NCBI Official Full Name	Syntaxin binding protein 1
NCBI Official Synonym Full Names	syntaxin binding protein 1
NCBI Official Symbol	STXBP1
NCBI Official Synonym Symbols	P67; NSEC1; UNC18; RBSEC1; MUNC18-1
NCBI Protein Information	syntaxin-binding protein 1; N-Sec1; unc-18A; unc18-1; neuronal SEC1; protein unc-18 homolog 1; protein unc-18 homolog A
UniProt Protein Name	Syntaxin-binding protein 1
UniProt Gene Name	STXBP1
UniProt Synonym Gene Names	UNC18A; Unc18-1; Unc-18A
UniProt Entry Name	STXB1_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://www.aaabiotech.com/human-elisa-kits/syntaxin-binding-protein-1-stxbp1/27333>