Human Syntaxin-1A (STX1A) ELISA Kit | STX1A elisa kit

Human Syntaxin-1A (STX1A) ELISA Kit

CATALOG #	REACTIVITY
AAA330614	**Human**

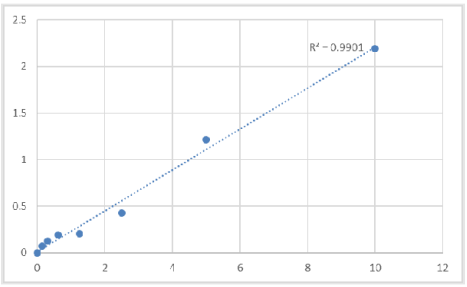
PRODUCT SYNONYMS

Syntaxin-1A (STX1A); Human Syntaxin-1A (STX1A) ELISA Kit; STX1A; HPC-1; STX1; p35-1; syntaxin 1A; STX1A elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Syntaxin-1A (STX1A) ELISA Kit has high sensitivity and excellent specificity for detection of Human STX1A. No significant cross-reactivity or interference between Human STX1A and analogues was observed.
Sequence Length	251
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)
Fig.1. Human Syntaxin-1A (STX1A) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for STX1A elisa kit	Description: This Human Syntaxin-1A (STX1A) ELISA Kit employs a two-site sandwich ELISA to quantitate STX1A in samples. An antibody specific for STX1A has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any STX1A present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for STX1A is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of STX1A bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Syntaxin-1A is a protein encoded by the STX1A gene.Synaptic vesicles store neurotransmitters that are released during calcium-regulated exocytosis. The specificity of neurotransmitter release requires the localization of both synaptic vesicles and calcium channels to the presynaptic active zone. Syntaxins function in this vesicle fusion process. Syntaxins also serve as a substrate for botulinum neurotoxin type C, a metalloprotease that blocks exocytosis and has high affinity for a molecular complex that includes the alpha-latrotoxin receptor which produces explosive exocytosis.Alternatively spliced transcript variants encoding different isoforms have been found for this gene.

NCBI AND UNIPROT INFORMATION

NCBI GI #	259906442
NCBI GeneID	6804
NCBI Accession #	NP_001159375.1
NCBI GenBank Nucleotide #	NP_001159375.1
UniProt Accession #	Q16623
NCBI Official Full Name	syntaxin-1A isoform 2
NCBI Official Synonym Full Names	syntaxin 1A
NCBI Official Symbol	STX1A
NCBI Official Synonym Symbols	STX1; HPC-1; P35-1; SYN1A
NCBI Protein Information	syntaxin-1A
UniProt Protein Name	Syntaxin-1A
UniProt Gene Name	**STX1A**
UniProt Synonym Gene Names	STX1
UniProt Entry Name	STX1A_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-1a-stx1a/330614