

Mouse Syntaxin 1A, Brain (STX1A) ELISA Kit | STX1A elisa kit

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CATALOG #
AAA65178

REACTIVITY
Mouse

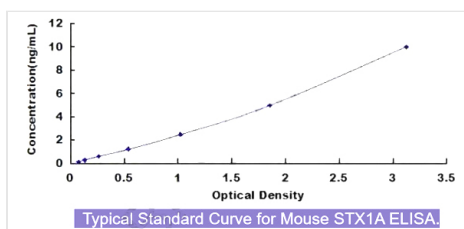
PRODUCT SYNONYMS

Syntaxin 1A; Brain (STX1A); Mouse Syntaxin 1A; Brain (STX1A) ELISA Kit; STX-1A; HPC-1; STX1; P35-1; Neuron-specific antigen HPC-1; STX1A elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of STX1A. No significant cross-reactivity or interference between STX1A and analogues was observed.
Sequence Length	288
Assay Type	Quantitative Sandwich
Samples	Mouse tissue homogenates or other biological fluids
Detection Range	0.156-10ng/mL
Sensitivity	< 0.057ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level STX1A were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level STX1A were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for STX1A elisa kit	Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to STX1A. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to STX1A. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain STX1A, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of STX1A in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of STX1A in mouse tissue homogenates or other biological fluids.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	15011853
NCBI GeneID	20907
NCBI Accession #	NP_058081.2
NCBI GenBank Nucleotide #	NM_016801.4
UniProt Accession #	O35526
Molecular Weight	33,054 Da
NCBI Official Full Name	syntaxin-1A
NCBI Official Synonym Full Names	syntaxin 1A (brain)
NCBI Official Symbol	Stx1a
NCBI Official Synonym Symbols	HPC-1
NCBI Protein Information	syntaxin-1A
UniProt Protein Name	Syntaxin-1A
UniProt Gene Name	Stx1a

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/mouse-elisa-kits/syntaxin-1a-brain-stx1a/65178>