

Mouse Synaptophysin (SYP) ELISA Kit | SYP elisa kit

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CATALOG #
AAA66389

REACTIVITY
Mouse

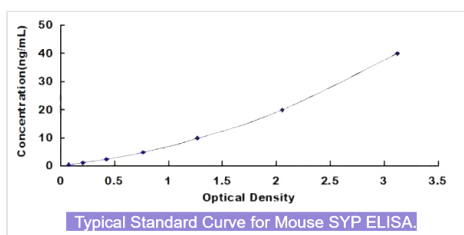
PRODUCT SYNONYMS

Synaptophysin (SYP); Mouse Synaptophysin (SYP) ELISA Kit; Major synaptic vesicle protein p38; SYP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of SYP. No significant cross-reactivity or interference between SYP and analogues was observed.
Sequence Length	314
Assay Type	Quantitative Sandwich
Samples	Mouse serum, plasma, tissue homogenates, cerebrospinal fluid or other biological fluids
Detection Range	0.625-40ng/mL
Sensitivity	< 0.278ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level SYP 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 SYP 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 SYP elisa kit	Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to SYP. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to SYP. 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 SYP, 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 SYP 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 SYP in mouse serum, plasma, tissue homogenates, cerebrospinal fluid or other biological fluids.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	166235165
NCBI GeneID	20977
NCBI Accession #	NP_033331.2
NCBI GenBank Nucleotide #	NM_009305.2
UniProt Accession #	Q62277; Q8BRQ0; Q91WI8
Molecular Weight	34,025 Da
NCBI Official Full Name	synaptophysin
NCBI Official Synonym Full Names	synaptophysin
NCBI Official Symbol	Syp
NCBI Official Synonym Symbols	Syn; p38; AI848995; A230093K24Rik
NCBI Protein Information	synaptophysin
UniProt Protein Name	Synaptophysin
UniProt Gene Name	Syp

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/synaptophysin-syp/66389>