

Rat Synaptophysin (SYP) ELISA Kit | SYP elisa kit

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CATALOG #
AAA147208

REACTIVITY
Rat

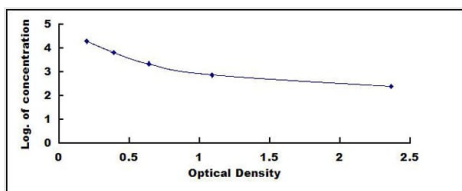
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of Synaptophysin (SYP). No significant cross-reactivity or interference between Synaptophysin (SYP) and analogues was observed.
Sequence Length	313
Assay Type	Competitive Inhibition
Samples	Serum, Plasma, Tissue homogenates, Cell lysates, Cell culture supernates and other biological fluids
Detection Range	246.9-20,000pg/mL
Sensitivity	91.9pg/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Synaptophysin (SYP) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Synaptophysin (SYP) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for SYP elisa kit	This assay employs the competitive inhibition enzyme immunoassay technique. A monoclonal antibody specific to Synaptophysin (SYP) has been pre-coated onto a microplate. A competitive inhibition reaction is launched between biotin labeled Synaptophysin (SYP) and unlabeled Synaptophysin (SYP) (Standards or samples) with the pre-coated antibody specific to Synaptophysin (SYP). After incubation the unbound conjugate is washed off. Next, avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. The amount of bound HRP conjugate is reverse proportional to the concentration of Synaptophysin (SYP) in the sample. After addition of the substrate solution, the intensity of color developed is reverse proportional to the concentration of Synaptophysin (SYP) in the sample.
Product Categories/Family for SYP elisa kit	Neuroscience

NCBI AND UNIPROT INFORMATION

NCBI GI #	27764867
NCBI GeneID	6855
NCBI Accession #	NP_003170.1
NCBI GenBank Nucleotide #	NM_003179.2
UniProt Accession #	P08247; Q6P2F7; B2R7L6; B7Z359
Molecular Weight	20,757 Da
NCBI Official Full Name	synaptophysin
NCBI Official Synonym Full Names	synaptophysin
NCBI Official Symbol	SYP
NCBI Official Synonym Symbols	MRX96; MRXSYP
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.