

Rat Synaptophysin ELISA Kit | SYP elisa kit

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CATALOG #
AAA86980

REACTIVITY
Rat

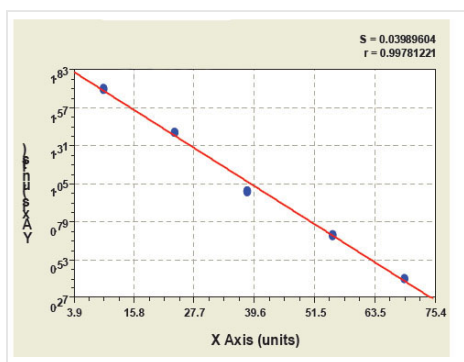
PRODUCT SYNONYMS

Synaptophysin; Rat Synaptophysin ELISA Kit; SYP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	0.1 ng/mL.
Intended Uses	This SYP ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat SYP. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for SYP elisa kit

Principle of the Assay: SYP ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-SYP antibody and an SYP-HRP conjugate. The assay sample and buffer are incubated together with SYP-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 SYP concentration since SYP from samples and SYP-HRP conjugate compete for the anti-SYP antibody binding site. Since the number of sites is limited, as more sites are occupied by SYP from the sample, fewer sites are left to bind SYP-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The SYP concentration in each sample is interpolated from this standard curve.

Product Categories/Family for SYP elisa kit

Neurobiology

NCBI AND UNIPROT INFORMATION

NCBI GI #	27764867
NCBI GeneID	6855
NCBI Accession #	NP_003170.1
NCBI GenBank Nucleotide #	NM_003179.2
Molecular Weight	33,845 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; major synaptic vesicle protein P38
UniProt Protein Name	Synaptophysin
UniProt Gene Name	SYP
UniProt Entry Name	SYPH_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.

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Online datasheet: <https://stage.aaabiotech.com/syp-rat-elisa-kits/synaptophysin/86980>