

Human Synaptophysin ELISA Kit | SYP elisa kit

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CATALOG #
AAA85275

REACTIVITY
Human

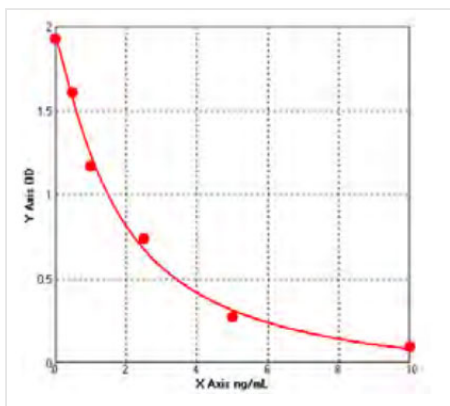
PRODUCT SYNONYMS

Synaptophysin; Human Synaptophysin ELISA Kit; SYP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
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. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between SYP and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
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 Human 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 polyclonal 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. Intended Uses: This SYP ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human SYP. This ELISA kit for research use only, not for therapeutic or test applications!
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.