

Rat Synaptotagmin-1 (SYT1) ELISA Kit | SYT1 elisa kit

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CATALOG #
AAA245116

REACTIVITY
Rat

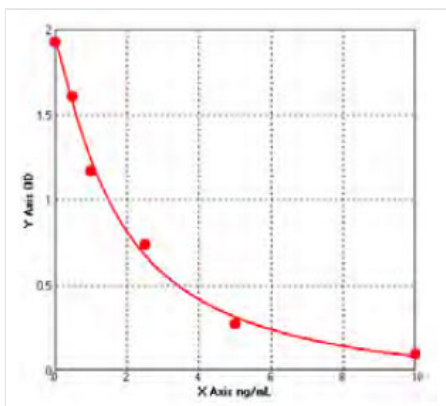
PRODUCT SYNONYMS

Synaptotagmin-1 (SYT1); Rat Synaptotagmin-1 (SYT1) ELISA Kit; SYT1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of SYT-1. No significant cross-reactivity or interference between SYT-1 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between SYT-1 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 SYT-1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat SYT-1. 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 SYT1 elisa kit	Principle of the Assay: SYT-1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-SYT-1 antibody and an SYT-1-HRP conjugate. The assay sample and buffer are incubated together with SYT-1-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 SYT-1 concentration since SYT-1 from samples and SYT-1-HRP conjugate compete for the anti-SYT-1 antibody binding site. Since the number of sites is limited, as more sites are occupied by SYT-1 from the sample, fewer sites are left to bind SYT-1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The SYT-1 concentration in each sample is interpolated from this standard curve. Intended Uses: This SYT-1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat SYT-1. This ELISA kit for research use only, not for therapeutic or test applications!
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NCBI AND UNIPROT INFORMATION

NCBI GI #	631790805
NCBI GeneID	6857
NCBI Accession #	NP_001278830.1
NCBI GenBank Nucleotide #	NM_001291901.1
Molecular Weight	47,573 Da
NCBI Official Full Name	synaptotagmin-1 isoform 2
NCBI Official Synonym Full Names	synaptotagmin I
NCBI Official Symbol	SYT1
NCBI Official Synonym Symbols	P65; SYT; SVP65
NCBI Protein Information	synaptotagmin-1; sytl; synaptotagmin 1
UniProt Protein Name	Synaptotagmin-1
UniProt Gene Name	SYT1
UniProt Synonym Gene Names	SVP65; SYT; Sytl
UniProt Entry Name	SYT1_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/rat-elisa-kits/synaptotagmin-1-syt1/245116>