

Human Synaptotagmin 1 (SYT1) ELISA Kit | SYT1 elisa kit

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CATALOG #
AAA27168

REACTIVITY
Human

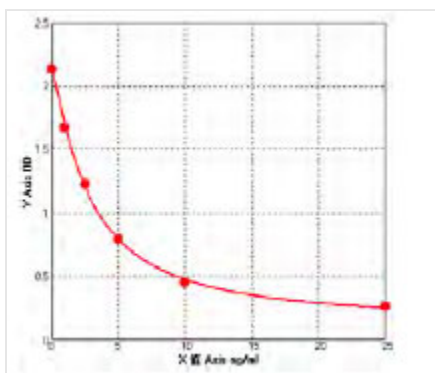
PRODUCT SYNONYMS

Synaptotagmin 1 (SYT1); Human Synaptotagmin 1 (SYT1) ELISA Kit; SYT1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, Plasma, Cell Culture Supernatants, Body Fluid And Tissue Homogenate
Assay Type	Quantitative Competitive
Sensitivity	0.1 ng/mL.
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for SYT1 elisa kit

Intended Uses: This SYN-1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human SYN-1. This ELISA kit for research use only!

Principle of the Assay: SYN-1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-SYN-1 antibody and an SYN-1-HRP conjugate. The assay sample and buffer are incubated together with SYN-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 SYN-1 concentration since SYN-1 from samples and SYN-1-HRP conjugate compete for the anti-SYN-1 antibody binding site. Since the number of sites is limited, as more sites are occupied by SYN-1 from the sample, fewer sites are left to bind SYN-1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The SYN-1 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	665404136
NCBI GeneID	33473
NCBI Accession #	NP_001285568.1
NCBI GenBank Nucleotide #	NM_001298639.1
Molecular Weight	18,643 Da
NCBI Official Full Name	synaptotagmin 1, isoform I
NCBI Official Synonym Full Names	Synaptotagmin 1
NCBI Official Symbol	Syt1
NCBI Official Synonym Symbols	CG3139; D. Syt I; DmelCG3139; Droso1; DSypt; dSYT; DSyt; DSYT; dsyt1; Dsyt2; DSYT2; dsytl; I(2)23AB1; I(2)23Ba; I(2)k05909; STY1; syt; Syt; SYT; syt 1; Syt 1; syt I; Syt I; SYT I; syt-1; Syt-1; syt1; SYT1; sytl; Sytl
NCBI Protein Information	CG3139 gene product from transcript CG3139-RI; CG3139-PA; CG3139-PB; CG3139-PC; CG3139-PE; CG3139-PF; CG3139-PG; CG3139-PH; CG3139-PI; Synaptotagmin-1; Synaptotagmin-I; Synaptotagmin1; SynaptotagminI; Syt1-PA; Syt1-PB; Syt1-PC; Syt1-PE; Syt1-PF; Syt1-PG; Syt1-PH; Syt1-PI; synaptotagmin 1; synaptotagmin; synaptotagmin 1; synaptotagmin I
UniProt Protein Name	Synaptotagmin 1
UniProt Gene Name	Syt1
UniProt Synonym Gene Names	syt; CG3139
UniProt Entry Name	SY65_DROME

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/human-elisa-kits/synaptotagmin-1-syt1/27168>