

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

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CATALOG #
AAA332305

REACTIVITY
Mouse

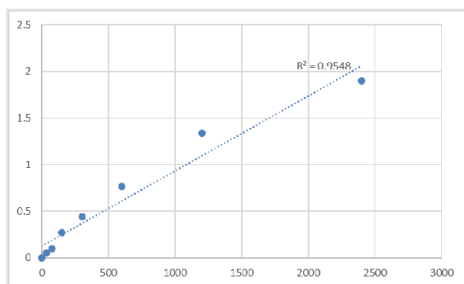
PRODUCT SYNONYMS

Synaptotagmin-1 (SYT1); Mouse Synaptotagmin-1 (SYT1) ELISA Kit; SYT1; DKFZp781D2042; P65; SVP65; SYT; synaptotagmin 1; SYT1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Mouse Synaptotagmin-1 (SYT1) ELISA Kit has high sensitivity and excellent specificity for detection of Mouse SYT1. No significant cross-reactivity or interference between Mouse SYT1 and analogues was observed.
Sequence Length	421
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Mouse Synaptotagmin-1 (SYT1) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for SYT1 elisa kit	Description: This Mouse Synaptotagmin-1 (SYT1) ELISA Kit employs a two-site sandwich ELISA to quantitate SYT1 in samples. An antibody specific for SYT1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any SYT1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for SYT1 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of SYT1 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: The synaptotagmins are integral membrane proteins of synaptic vesicles thought to serve as Ca(2+) sensors in the process of vesicular trafficking and exocytosis. Calcium binding to synaptotagmin I participates in triggering neurotransmitter release at the synapse.SYT1 is the master switch responsible for allowing the human brain to release neurotransmitters. SYT1 senses calcium concentrations as low as 10 ppm and subsequently signals the SNARE complex to open fusion pores.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	356640228
NCBI GeneID	20979
NCBI Accession #	NP_001239270.1
NCBI GenBank Nucleotide #	NP_001239270.1
UniProt Accession #	P46096
NCBI Official Full Name	synaptotagmin-1 isoform 1
NCBI Official Synonym Full Names	synaptotagmin I
NCBI Official Symbol	Syt1
NCBI Official Synonym Symbols	Sytl; AW124717; G630098F17Rik
NCBI Protein Information	synaptotagmin-1
UniProt Protein Name	Synaptotagmin-1
UniProt Gene Name	Syt1
UniProt Synonym Gene Names	Sytl

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://www.aaabiotech.com/mouse-elisa-kits/synaptotagmin-1-syt1/332305>