Mouse Synaptotagmin-4 (SYT4) ELISA Kit | SYT4 elisa kit

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CATALOG #	REACTIVITY
AAA332316	**Mouse**

PRODUCT SYNONYMS

Synaptotagmin-4 (SYT4); Mouse Synaptotagmin-4 (SYT4) ELISA Kit; SYT4; HsT1192; KIAA1342; synaptotagmin 4; SYT4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Mouse Synaptotagmin-4 (SYT4) ELISA Kit has high sensitivity and excellent specificity for detection of Mouse SYT4. No significant cross-reactivity or interference between Mouse SYT4 and analogues was observed.
Sequence Length	425
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-4 (SYT4) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for SYT4 elisa kit	Description: This Mouse Synaptotagmin-4 (SYT4) ELISA Kit employs a two-site sandwich ELISA to quantitate SYT4 in samples. An antibody specific for SYT4 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any SYT4 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for SYT4 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 SYT4 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: May be involved in Ca2+-dependent exocytosis of secretory vesicles through Ca2+ and phospholipid binding to the C2 domain or may serve as Ca2+ sensors in the process of vesicular trafficking and exocytosis. Plays a role in dendrite formation by melanocytes.

NCBI AND UNIPROT INFORMATION

NCBI GI #	60218904
NCBI GeneID	20983
NCBI Accession #	NP_033334.2
NCBI GenBank Nucleotide #	NP_033334.2
UniProt Accession #	P40749
NCBI Official Full Name	synaptotagmin-4
NCBI Official Synonym Full Names	synaptotagmin IV
NCBI Official Symbol	Syt4
NCBI Official Synonym Symbols	SytIV
NCBI Protein Information	synaptotagmin-4
UniProt Protein Name	Synaptotagmin-4
UniProt Gene Name	**Syt4**
UniProt Synonym Gene Names	Syt3; SytIV
UniProt Entry Name	SYT4_MOUSE

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/mouse-elisa-kits/synaptotagmin-4-syt4/332316