

Human Synaptotagmin-5 (SYT5) ELISA Kit | SYT5 elisa kit

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CATALOG #
AAA330650

REACTIVITY
Human

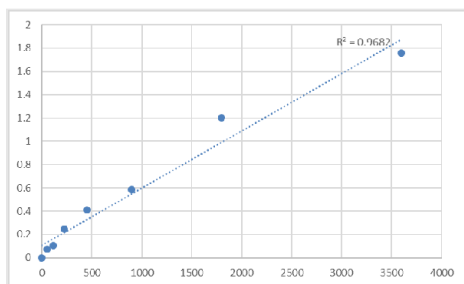
PRODUCT SYNONYMS

Synaptotagmin-5 (SYT5); Human Synaptotagmin-5 (SYT5) ELISA Kit; SYT5; synaptotagmin 5; SYT5 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Synaptotagmin-5 (SYT5) ELISA Kit has high sensitivity and excellent specificity for detection of Human SYT5. No significant cross-reactivity or interference between Human SYT5 and analogues was observed.
Sequence Length	382
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. Human Synaptotagmin-5 (SYT5) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for SYT5 elisa kit	Description: This Human Synaptotagmin-5 (SYT5) ELISA Kit employs a two-site sandwich ELISA to quantitate SYT5 in samples. An antibody specific for SYT5 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any SYT5 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for SYT5 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 SYT5 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Synaptotagmins, such as SYT5, are a family of type III membrane proteins characterized by cytoplasmic repeats related to protein kinase C regulatory (C2) domains, which are thought to bind calcium. Synaptotagmins may act both as negative regulators of vesicle fusion, allowing fusion in the presence of calcium, and as calcium receptors or sensor molecules.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	663071138
NCBI GeneID	6861
NCBI Accession #	NP_001284703.1
NCBI GenBank Nucleotide #	NP_001284703.1
UniProt Accession #	O00445
NCBI Official Full Name	synaptotagmin-5 isoform 2
NCBI Official Synonym Full Names	synaptotagmin 5
NCBI Official Symbol	SYT5
NCBI Protein Information	synaptotagmin-5
UniProt Protein Name	Synaptotagmin-5
UniProt Gene Name	SYT5
UniProt Synonym Gene Names	SytV
UniProt Entry Name	SYT5_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.