

Human Synaptogyrin-1 (SYNGR1) ELISA Kit | SYNGR1 elisa kit

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CATALOG #
AAA330632

REACTIVITY
Human

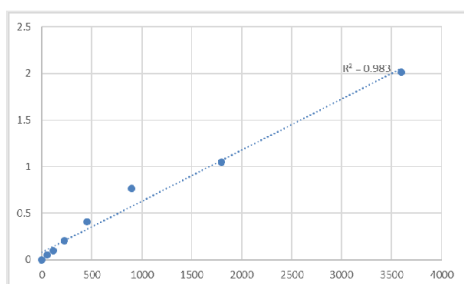
PRODUCT SYNONYMS

Synaptogyrin-1 (SYNGR1); Human Synaptogyrin-1 (SYNGR1) ELISA Kit; SYNGR1; MGC:1939; SYNGR1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Synaptogyrin-1 (SYNGR1) ELISA Kit has high sensitivity and excellent specificity for detection of Human SYNGR1. No significant cross-reactivity or interference between Human SYNGR1 and analogues was observed.
Sequence Length	234
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 Synaptogyrin-1 (SYNGR1) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for SYNGR1 elisa kit	Description: This Human Synaptogyrin-1 (SYNGR1) ELISA Kit employs a two-site sandwich ELISA to quantitate SYNGR1 in samples. An antibody specific for SYNGR1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any SYNGR1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for SYNGR1 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 SYNGR1 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Synaptogyrin-1 is an integral membrane protein associated with presynaptic vesicles in neuronal cells. The exact function of this protein is unclear, but studies of a similar murine protein suggest that it functions in synaptic plasticity without being required for synaptic transmission. Three alternatively spliced variants encoding three different isoforms have been identified. The predicted 1a, 1b, and 1c proteins contain 234, 191, and 192 amino acids, respectively. Northern blot analysis revealed that the 4.5-kb SYNGR1a mRNA is expressed at high levels in brain. The other transcript forms are expressed at low levels in nonneuronal tissues. In situ hybridization to embryonic and adult mouse tissues confirmed that SYNGR1a, the most abundant transcript form, shows predominantly neuronal expression.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	2959866
NCBI GeneID	9145
UniProt Accession #	O43759
NCBI Official Full Name	synaptogyrin 1a
NCBI Official Synonym Full Names	synaptogyrin 1
NCBI Official Symbol	SYNGR1
NCBI Protein Information	synaptogyrin-1
UniProt Protein Name	Synaptogyrin-1
UniProt Gene Name	SYNGR1
UniProt Entry Name	SNG1_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.