

Human Synaptogyrin-4 (SYNGR4) ELISA Kit | SYNGR4 elisa kit

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CATALOG #
AAA330634

REACTIVITY
Human

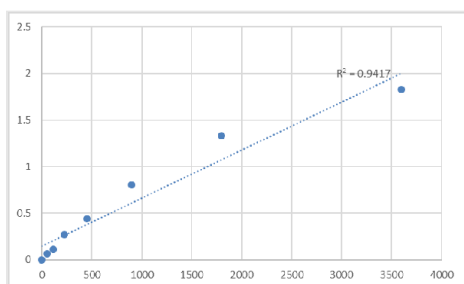
PRODUCT SYNONYMS

Synaptogyrin-4 (SYNGR4); Human Synaptogyrin-4 (SYNGR4) ELISA Kit; SYNGR4; MGC125805; SYNGR4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Synaptogyrin-4 (SYNGR4) ELISA Kit has high sensitivity and excellent specificity for detection of Human SYNGR4. No significant cross-reactivity or interference between Human SYNGR4 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-4 (SYNGR4) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for SYNGR4 elisa kit	Description: This Human Synaptogyrin-4 (SYNGR4) ELISA Kit employs a two-site sandwich ELISA to quantitate SYNGR4 in samples. An antibody specific for SYNGR4 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any SYNGR4 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for SYNGR4 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 SYNGR4 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Synaptic vesicles represent specialized secretory organelles that store neurotransmitters in nerve terminals, and release them by fusing with the presynaptic plasma membrane during exocytosis. Synaptogyrin (SYNGR1) and synaptophysins I and II (synaptoporin) contain 4 transmembrane regions with cytoplasmic C and N termini, and are among the most abundant synaptic vesicle proteins. For a description of the synaptogyrin family, which includes SYNGR4. By genomic sequence analysis, Smith et al. (2000) identified SYNGR4 within a 1.6-Mb glioma tumor suppressor region on chromosome 19q. The SYNGR4 protein contains 234 amino acids. Smith et al. (2000) determined that the SYNGR4 gene contains 4 exons. By genomic sequence analysis, Smith et al. (2000) mapped the SYNGR4 gene to chromosome 19q13.3.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4128019
NCBI GeneID	23546
UniProt Accession #	O95473
NCBI Official Full Name	synaptogyrin 4 protein (SYNGR4)
NCBI Official Synonym Full Names	synaptogyrin 4
NCBI Official Symbol	SYNGR4
NCBI Protein Information	synaptogyrin-4
UniProt Protein Name	Synaptogyrin-4
UniProt Gene Name	SYNGR4
UniProt Entry Name	SNG4_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.