

Human Saitohin (STH) ELISA Kit | STH elisa kit

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CATALOG #
AAA330602

REACTIVITY
Human

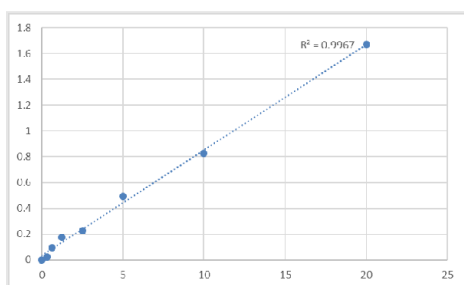
PRODUCT SYNONYMS

Saitohin (STH); Human Saitohin (STH) ELISA Kit; STH; MAPTIT; MGC163191; MGC163193; microtubule-associated protein tau (MAPT) intronic transcript; STH elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Saitohin (STH) ELISA Kit has high sensitivity and excellent specificity for detection of Human STH. No significant cross-reactivity or interference between Human STH and analogues was observed.
Sequence Length	128
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 Saitohin (STH) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for STH elisa kit	Description: This Human Saitohin (STH) ELISA Kit employs a two-site sandwich ELISA to quantitate STH in samples. An antibody specific for STH has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any STH present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for STH 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 STH bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: During the examination of ESTs in the human tau locus, Conrad et al. (2002) identified a gene they designated saitohin, or STH, in honor of the late Dr. Tsuanao Saitoh and his laboratory. The STH gene encodes a predicted 128-amino acid protein.highest expression of STH was in placenta, muscle, fetal brain, and adult brain, with lower expression in heart, kidney, stomach, testis, and adrenal gland. In the central nervous system, highest expression was in temporal lobe, hypothalamus, medulla, and spinal cord, with lower expression in other brain regions. There was significant overlap with the general tissue and CNS expression of tau, although there were some differences. The results indicated that STH is not under the regulation of the tau promoter, but may share some regional regulatory elements with the tau gene.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	56090269
NCBI GeneID	246744
NCBI Accession #	NP_001007533.1
NCBI GenBank Nucleotide #	NP_001007533.1
UniProt Accession #	Q8IWL8
NCBI Official Full Name	saitohin
NCBI Official Synonym Full Names	saitohin
NCBI Official Symbol	STH
NCBI Official Synonym Symbols	MAPTIT
NCBI Protein Information	saitohin
UniProt Protein Name	Saitohin
UniProt Gene Name	STH

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.