

## Human Saitohin (STH) ELISA Kit

Catalog No: #EK6686



Package Size: #EK6686-1 48T #EK6686-2 96T

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## Description

Product Name	Human Saitohin (STH) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	MAPTIT; MGC163191; MGC163193; microtubule-associated protein tau (MAPT) intronic transcript
Accession No.	Q8IWL8
Uniprot	Q8IWL8
GeneID	246744;
Storage	<p>The stability of ELISA kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition.</p> <p>The loss rate was determined by accelerated thermal degradation test. Keep the kit at 37C for 4 and 7 days, and compare O.D.values of the kit kept at 37C with that of at recommended temperature. (referring from China Biological Products Standard, which was calculated by the Arrhenius equation. For ELISA kit, 4 days storage at 37C can be considered as 6 months at 2 - 8C, which means 7 days at 37C equaling 12 months at 2 - 8C).</p>

## Application Details

Detect Range:0.312-20 ng/mL

Sensitivity:0.103 ng/mL

Sample Type:Serum, Plasma, Other biological fluids

Sample Volume: 1-200 µL

Assay Time:1-4.5h

Detection wavelength:450 nm

## Product Description

**Detection Method:**SandwichTest principle:This assay 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 anySTH 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.**Product Overview:**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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Note: This product is for in vitro research use only