

Human Testican-3 (SPOCK3) ELISA Kit

Catalog No: #EK6582



Package Size: #EK6582-1 48T #EK6582-2 96T

Orders: order@signalwayantibody.com

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Description

Product Name	Human Testican-3 (SPOCK3) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	HSAJ1454; TES-3; testican 3
Accession No.	Q9BQ16
Uniprot	Q9BQ16
GeneID	50859;
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:Request Information

Sensitivity:Request Information

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 SPOCK3 in samples. An antibody specific for SPOCK3 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anySPOCK3 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for SPOCK3 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 SPOCK3 bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**The cDNA was a splice variant of SPOCK3, which the authors called testican-3, and included the N-terminal 313-amino acid region of SPOCK3 with a 3-amino acid substitution at the C terminus; the authors designated the splice variant N-TES. N-TES contains a signal peptide, a unique domain, a follistatin-like domain, and a Ca(2+)-binding domain, but lacks a C-terminal thyroglobulin domain and 2 putative glycosaminoglycan attachment sites of SPOCK3. The full-length SPOCK3 protein contains 436 amino acids and shares 51% and 44% homology with SPOCK1 and SPOCK2 , respectively. Semiquantitative RT-PCR detected expression of SPOCK3 and N-TES transcripts in normal brain; transcripts of both were downregulated in glioma tissues.

Note: This product is for in vitro research use only