Mouse Testican-1 (SPOCK1) ELISA Kit

Catalog No: #EK6579

Package Size: #EK6579-1 48T #EK6579-2 96T

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

Product Name	Mouse Testican-1 (SPOCK1) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Mouse (Mus musculus)
Other Names	FLJ37170; SPOCK; TESTICAN; TIC1; OTTHUMP00000159433|sparc/osteonectin; cwcv and kazal-like domains proteoglycan 1|testican-1
Accession No.	Q62288
Uniprot	Q62288
Storage	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. 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).

Application Details

Detect Range:3.12-200 ng/mL

Sensitivity:1.34 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 SPOCK1 in samples. An antibody specific for SPOCK1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anySPOCK1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for SPOCK1 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 SPOCK1 bound in the initial step. The color development is stopped and the intensity of the color is measured.Product Overview:TIC1 encodes the protein core of a seminal plasma proteoglycan containing chondroitin- and heparan-sulfate chains. The protein's function is unknown, although similarity to thyropin-type cysteine protease-inhibitors suggests its function may be related to protease inhibition.The SPOCK cDNA encodes a deduced 439-amino acid protein with a predicted N-terminal signal sequence and 2 consensus glycosaminoglycan attachment sites. SPOCK, which contains osteonectin-like domains, a Kazal-like sequence, and a cys-trp-cys-val (CWCV) domain, is related to protein families that are involved in adhesion, migration, and cell proliferation.In situ hybridization showed that mouse Spock1 is located predominantly in a subpopulation of pyramidal neurons in the CA3 area of the hippocampus.

Note: This product is for in vitro research use only