

Mouse Testican-2 (SPOCK2) ELISA Kit

Catalog No: #EK6581



Package Size: #EK6581-1 48T #EK6581-2 96T

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Description

Product Name	Mouse Testican-2 (SPOCK2) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Mouse (<i>Mus musculus</i>)
Other Names	FLJ97039; testican-2;
Accession No.	Q9ER58
Uniprot	Q9ER58
GeneID	94214;
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 SPOCK2 in samples. An antibody specific for SPOCK2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anySPOCK2 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for SPOCK2 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 SPOCK2 bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**Proteoglycans, which consist of a core protein and covalently linked glycosaminoglycans, are components of the extracellular matrix. SPOCK2 encodes a member of a novel Ca(2+)-binding proteoglycan family. The mature 402-amino acid protein has 5 domains: a follistatin-like domain, a Ca(2+)-binding domain, a thyroglobulin-like domain, and a C-terminal region with 2 putative glycosaminoglycan attachment sites. The SPOCK2 protein shares 43% overall sequence identity with SPOCK1. Northern blot analysis of adult mouse tissues revealed expression of a major 6.1-kb transcript at high levels in brain and at low levels in lung and testis. Minor bands of 4.4 and 2.6 kb were also detected.

Note: This product is for in vitro research use only