Mouse Tensin-3 (TNS3) ELISA Kit

Catalog No: #EK6096

Package Size: #EK6096-1 48T #EK6096-2 96T

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

Description

Product Name	Mouse Tensin-3 (TNS3) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Mouse (Mus musculus)
Other Names	DKFZp686K12123; DKFZp686M1045; FLJ13732; FLJ35545; H_NH049I23.2; MGC88434; TEM6; TENS1; H_NH0549I23.2|OTTHUMP00000082709|tensin-like SH2 domain containing 1|tensin-like SH2 domain-containing 1|thyro
Accession No.	Q5SSZ5
Uniprot	Q5SSZ5
GeneID	319939;
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:0.156-10 ng/mL

Sensitivity:0.052 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 TNS3 in samples. An antibody specific for TNS3 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyTNS3 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for TNS3 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 TNS3 bound in the initial step. The color development is stopped and the intensity of the color is measured.Product Overview:Tensin-3 formed a complex with focal adhesion kinase and p130Cas (BCAR1) in human breast carcinoma cells. Addition of EGF to these cells induced dephosphorylation of FAK and p130Cas, leading to dissociation of the tensin-3/FAK/p130Cas complex and enhanced interaction between tensin-3 and EGFR. The deduced 1,445-amino acid protein has a calculated molecular mass of 155.3 kD. Like other tensins, tensin-3 has an N-terminal actin-binding domain and C-terminal SH2 and PTB domains. It also has several potential tyrosine phosphorylation sites. Northern blot analysis detected high expression of an 8-kb transcript in kidney and placenta, with weaker expression in heart, skeletal muscle, spleen, liver, and lung. Western blot analysis revealed a 180-kD tensin-3 protein in human endothelial and epithelial cells and fibroblasts.

Note: This product is for in vitro research use only