

Human Transforming growth factor-beta-stimulated Protein clone-22 (TSC22) ELISA Kit



Catalog No: #EK5992

Orders: order@signalwayantibody.com

Package Size: #EK5992-1 48T #EK5992-2 96T

Support: tech@signalwayantibody.com

Description

Product Name	Human Transforming growth factor-beta-stimulated Protein clone-22 (TSC22) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	DKFZp686O19206; MGC17597; RP11-269C23.2; TGFB114; TSC22; TSC22 domain family 1; isoform 2 transforming growth factor beta 1 induced transcript 4 transforming growth factor beta-stimulated protein TS
Accession No.	Q15714
Uniprot	Q15714
GeneID	8848;
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:0.312-20 ng/mL

Sensitivity:0.113 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 TSC22D1 in samples. An antibody specific for TSC22D1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyTSC22D1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for TSC22D1 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 TSC22D1 bound in the initial step. The color development is stopped and the intensity of the color is measured.Product Overview:domain family 1 is a member of a family of leucine zipper containing transcription factors with repressor activity and belongs to the large family of early response genes. TSC-22 regulates cell growth and differentiation, and cell death. Leucine zipper structure of TSC22 inhibits the anchorage independent growth of cancer cells.

TSC-22 is also an important downstream component of peroxisome proliferator-activated receptor (PPAR) and TGF-beta signaling during intestinal epithelial cell differentiation. TSC22 encodes a transcription factor and belongs to the large family of early response genes.TSC22D1 forms homodimers via its conserved leucine zipper domain and heterodimerizes with TSC22D4. TSC22D1 has transcriptional repressor activity.

Note: This product is for in vitro research use only