

Human Tumor susceptibility gene 101 protein (TSG101) ELISA Kit

Catalog No: #EK5990

Package Size: #EK5990-1 48T #EK5990-2 96T

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Description

Product Name	Human Tumor susceptibility gene 101 protein (TSG101) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	TSG10; VPS23; tumor susceptibility protein
Accession No.	Q99816
Uniprot	Q99816
GeneID	7251;
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:0.312-20 ng/mL

Sensitivity:0.114 ng/mL

Sample Type:Serum, Plasma, Other biological fluids

Sample Volume: 1-200 μ L

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 TSG101 in samples. An antibody specific for TSG101 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyTSG101 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for TSG101 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 TSG101 bound in the initial step. The color development is stopped and the intensity of the color is measured.

Product Overview:Tumor susceptibility gene 101, also known as TSG101, is a protein belongs to a group of apparently inactive homologs of ubiquitin-conjugating enzymes. The gene product contains a coiled-coil domain that interacts with stathmin, a cytosolic phosphoprotein implicated in tumorigenesis.

The protein may play a role in cell growth and differentiation and act as a negative growth regulator. In vitro steady-state expression of this tumor susceptibility gene appears to be important for maintenance of genomic stability and cell cycle regulation. Mutations and alternative splicing in this gene occur in high frequency in breast cancer and suggest that defects occur during breast cancer tumorigenesis and/or progression.

Note: This product is for in vitro research use only