Human Tumor protein 63 (TP63) ELISA Kit

Catalog No: #EK6042

Package Size: #EK6042-1 48T #EK6042-2 96T

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

Description

Product Name	Human Tumor protein 63 (TP63) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	AIS; B(p51A); B(p51B); EEC3; KET; LMS; NBP; OFC8; RHS; SHFM4; TP53CP; TP53L; TP73L; p40; p51; p53CP; p63; p73H; p73L; OTTHUMP00000209738|OTTHUMP00000209740|amplified in squamous cell carcinoma|chron
Accession No.	Q9H3D4
Uniprot	Q9H3D4
GeneID	8626;
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:0.057 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 TP63 in samples. An antibody specific for TP63 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyTP63 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for TP63 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 TP63 bound in the initial step. The color development is stopped and the intensity of the color is measured.Product Overview:TP63 also known as the p63 gene was discovered 20 years after the the discovery of the p53 tumor suppressor gene and along with p73 constitutes the p53 gene family based on their structural similarity.Tumor protein p63 is a member of the p53 family of transcription factors. p63 mice have several developmental defects which include the lack of limbs and other tissues, such as teeth and mammary glands, which develop as a result of interactions between mesenchyme and epithelium.p63 immunostaining has utility for differentiating prostatic adenocarcinoma (the most common type of prostate cancer) and benign prostatic tissue; normal prostatic glands stain with p63 (as they have basal cells), while the malignant glands in prostatic adenocarcinoma (which lacks these cells) do not.

Note: This product is for in vitro research use only