

Human Transcription termination factor 1 (TTF1) ELISA Kit



Catalog No: #EK5979

Orders: order@signalwayantibody.com

Package Size: #EK5979-1 48T #EK5979-2 96T

Support: tech@signalwayantibody.com

Description

Product Name	Human Transcription termination factor 1 (TTF1) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Accession No.	Q15361
Uniprot	Q15361
GeneID	7270;
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:0.156-10 ng/mL

Sensitivity:0.055 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 TTF1 in samples. An antibody specific for TTF1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyTTF1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for TTF1 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 TTF1 bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**TTF2 has been shown to have dsDNA-dependent ATPase activity and RNA polymerase II termination activity. This protein interacts with cell division cycle 5-like, associates with human splicing complexes, and plays a role in pre-mRNA splicing.The deduced 990-amino acid TTF2 protein shares 43% amino acid sequence identity with Drosophila factor 2. These proteins contain 7 motifs found in helicase superfamilies 1 and 2; 7 additional motifs shared only by SWI2/SNF2 family members; and 3 conserved motifs and a nuclear localization signal that are not conserved among the SWI2/SNF2 family. Similar to Drosophila factor 2, recombinant human TTF2 displayed a strong double-stranded DNA-dependent ATPase activity that was inhibited by single-stranded DNA and exhibited RNA polymerase II termination activity.

Note: This product is for in vitro research use only