

Human Dual specificity protein kinase TTK (TTK) ELISA Kit

Catalog No: #EK5978

Package Size: #EK5978-1 48T #EK5978-2 96T

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Description

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| Product Name | Human Dual specificity protein kinase TTK (TTK) ELISA Kit |
| Brief Description | ELISA Kit |
| Applications | ELISA |
| Species Reactivity | Human (Homo sapiens) |
| Other Names | CT96; ESK; FLJ38280; MPS1; MPS1L1; PYT; cancer/testis antigen 96 dual specificity protein kinase monopolar spindle 1-like 1 phosphotyrosine picked threonine kinase |
| Accession No. | P33981 |
| Uniprot | P33981 |
| GeneID | 7272; |
| 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:0.057 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:Sandwich**Test principle:**This assay employs a two-site sandwich ELISA to quantitate TTK in samples. An antibody specific for TTK has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyTTK present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for TTK 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 TTK bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**This au protein kinase belongs to the family of transferases, specifically those transferring a phosphate group to the sidechain oxygen atom of serine or threonine residues in proteins.This enzyme participates in 14 metabolic pathways: erbb signaling pathway, cell cycle, wnt signaling pathway, hedgehog signaling pathway, axon guidance, focal adhesion, b cell receptor signaling pathway, insulin signaling pathway, melanogenesis, alzheimer's disease, colorectal cancer, endometrial cancer, prostate cancer, and basal cell carcinoma.Expressed in the brain, particularly in cortical and hippocampal neurons. Weakly expressed in spinal cord and testis. No expression in adipose tissue, bladder, cervix, colon, esophagus, heart, kidney, liver, lung, ovary, placenta, prostate, skeletal muscle, small intestine, spleen, testis, thymus, thyroid or trachea.

Note: This product is for in vitro research use only