

Bovine Activated CDC42 kinase 1 (TNK2) ELISA Kit

Catalog No: #EK6181



Package Size: #EK6181-1 48T #EK6181-2 96T

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Description

Product Name	Bovine Activated CDC42 kinase 1 (TNK2) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Bovine (Bos taurus; Cattle)
Other Names	ACK; ACK1; FLJ44758; FLJ45547; p21cdc42Hs; activated Cdc42-associated kinase 1 activated p21cdc42Hs kinase
Accession No.	Q17R13
Uniprot	Q17R13
GeneID	280710;
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:Request Information

Sensitivity:Request Information

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 TNK2 in samples. An antibody specific for TNK2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyTNK2 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for TNK2 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 TNK2 bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**Activated CDC42 kinase 1 is a tyrosine kinase that binds Cdc42Hs in its GTP-bound form and inhibits both the intrinsic and GTPase-activating protein (GAP)-stimulated GTPase activity of Cdc42Hs. This binding is mediated by a unique sequence of 47 amino acids C-terminal to an SH3 domain.

The protein may be involved in a regulatory mechanism that sustains the GTP-bound active form of Cdc42Hs and which is directly linked to a tyrosine phosphorylation signal transduction pathway. Several alternatively spliced transcript variants have been identified from this gene, but the full-length nature of only two transcript variants has been determined.

Note: This product is for in vitro research use only