

Rat Megakaryocyte-associated tyrosine-protein kinase (MATK) ELISA Kit



Catalog No: #EK9868

Package Size: #EK9868-1 48T #EK9868-2 96T

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Description

Product Name	Rat Megakaryocyte-associated tyrosine-protein kinase (MATK) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Rat (Rattus norvegicus)
Other Names	CHK; CTK; DKFZp434N1212; HHYLTk; HYL; HYLTK; Lsk; MGC1708; MGC2101; Csk-homologous kinase Csk-type protein tyrosine kinase HYL tyrosine kinase hematopoietic consensus tyrosine-lacking kinase hydroxy
Accession No.	P41243
Uniprot	P41243
GeneID	60450;
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 MATK in samples. An antibody specific for MATK has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyMATK present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for MATK 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 MATK bound in the initial step. The color development is stopped and the intensity of the color is measured.Product Overview:MATKis an enzyme has amino acid sequence similarity to Csk tyrosine kinase and has the structural features of the CSK subfamily: SRC homology SH2 and SH3 domains, a catalytic domain, a unique N terminus, lack of myristylation signals, lack of a negative regulatory phosphorylation site, and lack of an autophosphorylation site.This protein is thought to play a significant role in the signal transduction of hematopoietic cells. It is able to phosphorylate and inactivate Src family kinases, and may play an inhibitory role in the control of T-cell proliferation. This protein might be involved in signaling in some cases of breast cancer. Three alternatively spliced transcript variants that encode

different isoforms have been described for this gene.

Note: This product is for in vitro research use only