Mouse Urokinase plasminogen activator (uPA) ELISA Kit

Catalog No: #EK8457

Package Size: #EK8457-1 48T #EK8457-2 96T

Orders: order@signalwayantibody.com
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Description

Product Name	Mouse Urokinase plasminogen activator (uPA) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Mouse (Mus musculus)
Other Names	ATF; UPA; URK; u-PA; U-plasminogen activator|plasminogen activator; urinary|urokinase-type plasminogen activator
Accession No.	P06869
Uniprot	P06869
GeneID	18792;
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:0.312-20 ng/mL

Sensitivity:0.078 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 PLAU in samples. An antibody specific for PLAU has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyPLAU present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PLAU 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 PLAU bound in the initial step. The color development is stopped and the intensity of the color is measured.Product Overview:Urokinase-type plasminogen activator is a serine protease involved in degradation of the extracellular matrix and possibly tumor cell migration and proliferation. The protein encoded by this gene converts plasminogen to plasmin by specific cleavage of an Arg-Val bond in plasminogen. This gene's proprotein is cleaved at a Lys-Ile bond by plasmin to form a two-chain derivative in which a single disulfide bond connects the amino-terminal A-chain to the catalytically active, carboxy-terminal B-chain. This two-chain derivative is also called HMW-uPA (high molecular weight uPA). HMW-uPA can be further processed into LMW-uPA (low molecular weight uPA) by cleavage of chain A into a short chain A (A1) and an amino-terminal fragment. LMW-uPA is proteolytically active but does not bind to the uPA receptor.

Note: This product is for in vitro research use only