

Human Mitogen-activated protein kinase kinase kinase 6 (MAP3K6) ELISA Kit

Catalog No: #EK11223

Orders: order@signalwayantibody.com

Package Size: #EK11223-1 48T #EK11223-2 96T

Support: tech@signalwayantibody.com

Description

| | |
|--------------------|---|
| Product Name | Human Mitogen-activated protein kinase kinase kinase 6 (MAP3K6) ELISA Kit |
| Brief Description | ELISA Kit |
| Applications | ELISA |
| Species Reactivity | Human (Homo sapiens) |
| Other Names | RP11-4K3__A.7; ASK2; MAPKKK6; MEKK6; MGC125653; MGC20114; apoptosis signal regulating kinase 2[apoptosis signal-regulating kinase 2 |
| Accession No. | O95382 |
| Uniprot | O95382 |
| GeneID | 9064; |
| 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:0.116 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 MAP3K6 in samples. An antibody specific for MAP3K6 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyMAP3K6 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for MAP3K6 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 MAP3K6 bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**MAP3K6 is a member of the serine/threonine protein kinase family. The encoded kinase was identified by its interaction with MAP3K5/ASK, a protein kinase and an activator of c-Jun kinase (MAPK7/JNK) and MAPK14/p38 kinase. This kinase was found to weakly activate MAPK7, but not MAPK1/ERK or MAPK14. An alternatively spliced transcript variant has been found for this gene, but its biological validity has not been determined.

MAP3K6 and MAP3K5 share 45% amino acid sequence identity; their catalytic domains share 82% identity. The authors confirmed the interaction of MAP3K6 with MAP3K5 in vivo using coimmunoprecipitation. Recombinant MAP3K6 weakly activated the JNK but not the ERK or p38 kinase pathways.

Note: This product is for in vitro research use only