

# Human Regulator complex protein LAMTOR3 (MAPKSP1) ELISA Kit

Catalog No: #EK9905

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Package Size: #EK9905-1 48T #EK9905-2 96T

## Description

Product Name	Human Regulator complex protein LAMTOR3 (MAPKSP1) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	MAP2K1IP1; MAPBP; MP1; MEK binding partner 1 MEK partner 1 PRO0633 mitogen-activated protein kinase kinase 1 interacting protein 1
Accession No.	Q9UHA4
Uniprot	Q9UHA4
GeneID	8649;
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 MAPKSP1 in samples. An antibody specific for MAPKSP1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyMAPKSP1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for MAPKSP1 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 MAPKSP1 bound in the initial step. The color development is stopped and the intensity of the color is measured.Product Overview:Mitogen-activated protein kinase scaffold protein 1 is an enzyme identified as an interacting protein that binds specifically to MAP kinase kinase MAP2K1/MEK1 and to MAP kinase MAPK2/ERK1. This protein enhances the activation of MAPK2, and thus is thought to function as an adaptor to enhance the efficiency of the MAP kinase cascade. When overexpressed in cultured cells, MP1 enhanced activation of ERK1 and activation of a reporter driven by the transcription factor ELK1. Expression of MP1 in cells increased binding of ERK1 to MEK1. MP1 apparently functions as an adaptor to enhance the efficiency of the MAP kinase cascade. The mTORC1 kinase promotes growth in response to growth factors, energy levels, and amino acids, and its activity is often deregulated in disease.

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Note: This product is for in vitro research use only