Human MARCKS-related protein (MARCKSL1) ELISA Kit

Catalog No: #EK11222

Package Size: #EK11222-1 48T #EK11222-2 96T

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

Product Name	Human MARCKS-related protein (MARCKSL1) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	F52; MACMARCKS; MLP; MLP1; MRP; MARCKS-like protein|MARCKS-related protein|macrophage myristoylated alanine-rich C kinase substrate
Accession No.	P49006
Uniprot	P49006
GeneID	65108;
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:0.105 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 MARCKSL1 in samples. An antibody specific for MARCKSL1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyMARCKSL1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for MARCKSL1 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 MARCKSL1 bound in the initial step. The color development is stopped and the intensity of the color is measured.Product Overview:The myristoylated, alanine-rich protein MARCKS is a widely expressed, prominent substrate for protein kinase C, a key enzyme of intracellular signal transduction. The predicted 200-amino acid protein, which they called F52, shares 52% amino acid identity with bovine MARCKS. The similarity between the 2 proteins is found in the consensus myristoylation sequence near the N-terminus and in the 25-amino acid protein kinase C phosphorylation site domain. F52 has a similar amino acid composition to MARCKS, although its alanine content is not as high. It is distributed throughout the mouse brain in a pattern that is distinct from that of MARCKS.A transgene containing this 433-bp fragment from mouse linked to a reporter Mrp beta-galactosidase gene produced normal patterns of Mrp expression in the developing mouse embryo.

Note: This product is for in vitro research use only