Human Serum deprivation response (SDPR) ELISA Kit

Catalog No: #EK7412

Package Size: #EK7412-1 48T #EK7412-2 96T

Orders: order@signalwayantibody.com
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Description

Product Name	Human Serum deprivation response (SDPR) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	PS-p68; SDR; cavin-2; phosphatidylserine binding protein|serum deprivation response (phosphatidylserine-binding protein)|serum deprivation response protein
Accession No.	O95810
Uniprot	O95810
GeneID	8436;
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:0.156-10 ng/mL

Sensitivity:0.054 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 SDPR in samples. An antibody specific for SDPR has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anySDPR present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for SDPR 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 SDPR bound in the initial step. The color development is stopped and the intensity of the color is measured.Product Overview:SDPR encodes a calcium-independent phospholipid-binding protein whose expression increases in serum-starved cells. This protein has also been shown to be a substrate for protein kinase C (PKC) phosphorylation.
The SDPR cDNA encodes a deduced 425-amino acid peptide with a calculated molecular mass of 47.2 kD. The human and mouse proteins share 84% sequence identity; both contain a leucine zipper-like domain with 7 repeats and 2 putative protein kinase C phosphorylation sites. Northern blot analysis of various human tissues showed nearly ubiquitous expression of a 3.1-kb transcript, which was always coexpressed with a shorter transcript. Highest expression was detected in heart and lung.SDPR is able to bind PS liposomes in a calcium-independent manner.

Note: This product is for in vitro research use only