Human Protein SCAF11 (SFRS2IP) ELISA Kit

Catalog No: #EK7355

Package Size: #EK7355-1 48T #EK7355-2 96T

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Description

Product Name	Human Protein SCAF11 (SFRS2IP) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	CASP11; SIP1; SRRP129; SC35-interacting protein 1
Accession No.	Q99590
Uniprot	Q99590
GeneID	9169;
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:0.059 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 SFRS2IP in samples. An antibody specific for SFRS2IP has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anySFRS2IP present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for SFRS2IP 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 SFRS2IP bound in the initial step. The color development is stopped and the intensity of the color is measured.Product Overview:This enzyme is a member of a family of evolutionarily conserved cysteine protease proteins known as caspases. Many of these enzymes are part of a proteolytic cascade that plays a central role in cell death by apoptosis. Caspase-11 has been isolated and characterized as ICH-3 [ICE and CED3 homolog-3]. Caspase-11 gene expression in response to bacterial lipopolysaccharides and IFN-gamma requires NF-kappa-B and the signal transducer STAT1 .

By performing a yeast 2-hybrid assay to identify proteins that interact with CTD, Tanner et al. (1997) isolated partial cDNAs encoding SIP1, which they called CTD-associated SR protein 11 (CASP11) or SR-related protein of 129 kD (SRrp129). Northern blot analysis detected expression of the approximately 6-kb SRrp129 mRNA in all tissues tested.

Note: This product is for in vitro research use only