

Human Syntenin-2 (SDCBP2) ELISA Kit

Catalog No: #EK7422



Package Size: #EK7422-1 48T #EK7422-2 96T

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Description

Product Name	Human Syntenin-2 (SDCBP2) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	FLJ12256; SITAC18; ST-2; OTTHUMP00000029961 OTTHUMP00000029964 syndecan binding protein 2 syntenin-2
Accession No.	Q9H190
Uniprot	Q9H190
GeneID	27111;
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:0.156-10 ng/mL

Sensitivity:0.065 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 SDCBP2 in samples. An antibody specific for SDCBP2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anySDCBP2 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for SDCBP2 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 SDCBP2 bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**Syntenin 2 binds to the cytoplasmic domains of the syndecans: it contains a tandem repeat of PDZ domains that reacts with the FYA (phe-tyr-ala) C-terminal amino acid sequence of the syndecans.Cells that overexpress the fusion protein show numerous cell surface extensions, suggesting that Syntenin 2 may have an effect on cytoskeleton-membrane organization. Therefore, Syntenin 2 may function as an adaptor that couples syndecans to cytoskeletal proteins or cytosolic downstream signal-effectors.Syndecan-2 is a transmembrane (type I) heparan sulfate proteoglycan and is a member of the syndecan proteoglycan family. The syndecans mediate cell binding, cell signaling, and cytoskeletal organization and syndecan receptors are required for internalization of the HIV-1 tat protein.

Note: This product is for in vitro research use only