Rat Syndecan-2 (SDC2) ELISA Kit

Catalog No: #EK7424

Package Size: #EK7424-1 48T #EK7424-2 96T

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

Description

Product Name	Rat Syndecan-2 (SDC2) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Rat (Rattus norvegicus)
Other Names	HSPG; HSPG1; SYND2; cell surface-associated heparan sulfate proteoglycan 1|fibroglycan|heparan sulfate proteoglycan 1; cell surface-associated|heparan sulfate proteoglycan core protein|syndecan prot
Accession No.	P34900
Uniprot	P34900
GeneID	25615;
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:31.25-2000 pg/mL

Sensitivity:12.7 pg/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 SDC2 in samples. An antibody specific for SDC2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anySDC2 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for SDC2 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 SDC2 bound in the initial step. The color development is stopped and the intensity of the color is measured.Product Overview: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.

The syndecan-2 protein functions as an integral membrane protein and participates in cell proliferation, cell migration and cell-matrix interactions via its receptor for extracellular matrix proteins. Altered syndecan-2 expression has been detected in several different tumor types.By Southern hybridization to a panel of human-mouse somatic cell hybrid DNA and by in situ hybridization, Marynen et al. (1989) showed that the heparan sulfate proteoglycan core protein maps to 8q22-q24.

Note: This product is for in vitro research use only