

Datasheet for ABIN6719844
Syndecan 1 ELISA Kit



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Overview

Quantity:	1 kit
Target:	Syndecan 1 (SDC1)
Reactivity:	Human
Method Type:	Sandwich ELISA
Detection Range:	156 pg/mL - 10000 pg/mL
Minimum Detection Limit:	156 pg/mL
Application:	ELISA

Product Details

Purpose:	Sandwich ELISA for Quantitative Detection of Antigen
Sample Type:	Cell Culture Supernatant, Serum
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Characteristics:	<p>Synonyms: CD138, CD138 antigen, SDC, Sdc1, SDC1_HUMAN, SYND1, Syndecan 1, Syndecan-1</p> <p>Background: Syndecan 1, also known as SYND1 or CD138, is a protein which in humans is encoded by the SDC1 gene. The protein encoded by this gene is a transmembrane(type I) heparan sulfate proteoglycan and is a member of the syndecan proteoglycan family. This gene is mapped to 2p24.1. The syndecans mediate cell binding, cell signaling, cytoskeletal organization and syndecan receptors are required for internalization of the HIV-1 tat protein. The syndecan 1 protein functions as an integral membrane protein and participates in cell proliferation, cell migration and cell-matrix interactions via its receptor for extracellular matrix</p>

Product Details

proteins. What's more, Syndecan-1 is also a sponge for growth factors, with binding largely via heparan sulfate chains.

Gene Name: SDC1

Production: Natural and recombinant human Syndecan-1. There is no detectable cross-reactivity with other relevant proteins.

Standard: Expression system for standard: NSO, Immunogen sequence: Q23-G254

Target Details

Target: Syndecan 1 (SDC1)

Alternative Name: SDC1 - Syndecan-1 ([SDC1 Products](#))

Gene ID: 6382

NCBI Accession: [NP_001006947](#)

UniProt: [P18827](#)

Pathways: [Glycosaminoglycan Metabolic Process](#), [Regulation of Muscle Cell Differentiation](#), [Skeletal Muscle Fiber Development](#), [Lipid Metabolism](#)

Application Details

Application Notes: Application Note: Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1 mL per well of the 10,000pg/mL, 5000pg/mL, 2500pg/mL, 1250pg/mL, 625pg/mL, 312pg/mL, 156pg/mL human Syndecan-1 standard solutions into the precoated 96-well plate. Add 0.1 mL of the sample diluent buffer into the control well (Zero well). Add 0.1 mL of each properly diluted sample of human cell culture supernates or serum to each empty well. It is recommended that each human Syndecan-1 standard solution and each sample be measured in duplicate.

ELISA Dilution: 156pg/mL-10,000pg/mL

Sample Volume: 100 µL

Plate: Pre-coated

Restrictions: For Research Use only

Handling

Storage: RT,4 °C,-20 °C

Handling

Storage Comment: Store vials at 4°C prior to opening. Centrifuge product if not completely clear after standing at room temperature. This product is stable for 6 months at 4°C as an undiluted liquid. Dilute only prior to immediate use. For extended storage freeze at -20°C or below for 12 months. Avoid cycles of freezing and thawing.