

Datasheet for KOA0804**Human SDC1 - Syndecan-1 ELISA Kit****Overview**

Description:	Human SDC1/Syndecan-1 AccuSignal ELISA Kit - KOA0804
Item No.:	KOA0804
Size:	1 Kit
Applications:	ELISA
Reactivity:	Human
Range:	156 pg/ml - 10,000 pg/ml

Product Details

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 proteins. What's more, Syndecan-1 is also a sponge for growth factors, with binding largely via heparan sulfate chains.
Synonyms:	CD138, CD138 antigen, SDC, Sdc1, SDC1_HUMAN, SYND1, Syndecan 1, Syndecan-1
Detection Kit Type:	ELISA Kit
Detection Range:	156 pg/ml - 10,000 pg/ml
Sensitivity:	<10 pg/ml

Target Details

Gene Name:	SDC1
Reactivity:	Human
Immunogen:	Expression system for standard: NSO; Immunogen sequence: Q23-G254
Purity/Specificity:	Natural and recombinant human Syndecan-1. There is no detectable cross-reactivity with other relevant proteins.

Relevant Links:

- [UniProtKB - P18827](#)
- [NCBI - NP_001006947.1](#)
- [GeneID - 6382](#)
- [KOA0804 Protocol](#)

Application Details

Tested Applications:	ELISA
Application Note:	Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1ml 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 0.1ml of the sample diluent buffer into the control well (Zero well). Add 0.1ml 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.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.

Formulation

Shipping & Handling

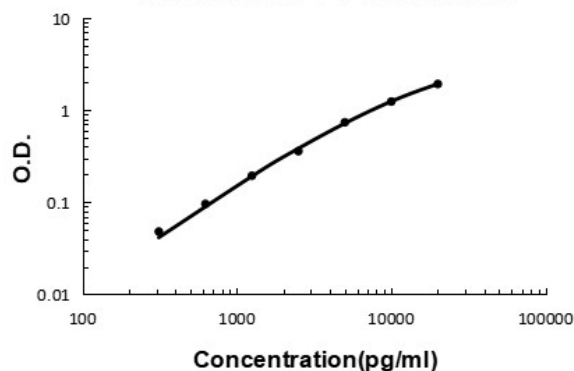
Shipping Condition:	Wet Ice
Storage Condition:	Store vials at 4°C prior to opening. Centrifuge product if not completely clear after standing at room temperature. This product is stable for 6 months at 4°C as an undiluted liquid. Dilute only prior to immediate use. For extended storage freeze at -20°C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

Images

Human SDC1 ELISA Kit

ELISA

Human SDC1/Syndecan-1 ELISA Kit standard curve.



Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.