

Product Information

MemDX™ Membrane Protein Human SDC1 (Syndecan 1) Expressed in NS0 for Antibody

Discovery, Partial (18-251aa)

Cat. No.: **MPX0312K**

This product is for research use only and is not intended for diagnostic use.

This product is a 24.9 kDa Human SDC1 membrane protein expressed in NS0. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

Product Specifications

Host Species

Human

Target Protein

SDC1

Protein Length

Partial (18-251aa)

Protein Class

Receptor

Molecular Weight

24.9 kDa

TMD

1

Sequence

QPALPQIVATNLPPEDQDGSGDDSDNFSGSGAG
ALQDITLSQQTPSTWKDTQLLTAIPTSPEPTGLEATAASTSTLPAGEGPK
EGEAVVLPEVEPGLTAREQEATPRPRETTQLPTTHLASTTTTATTAQEPAT
SHPHRDMQPGHHETSTPAGPSQADLHTPHTEDGGPSATERAAEDGASSQL
PAAEGSGEQDFTFETSGENTAVVAVEPDRRNQSPVDQGATGASQGLLDRK
E

Product Description

Expression Systems

NS0

Tag

6xHis tag at the C-terminus

Protein Format

Soluble

Form

LYOPH

Reconstitution

Reconstitute at 500 µg/mL in PBS.

Endotoxin

<0.10 EU per 1 µg of the protein by the LAL method.

Purity

>95%, by SDS-PAGE visualized with Silver Staining and quantitative densitometry by Coomassie® Blue Staining.

Buffer

Lyophilized from a 0.2 µm filtered solution in PBS.

Storage

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -70°C or lower. Avoid freeze/thaw cycles.

Target**Target Protein**

SDC1

Full Name

Syndecan 1

Introduction

The protein encoded by this gene 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-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. Altered syndecan-1 expression has been detected in several different tumor types. While several transcript variants may exist for this gene, the full-length nature of only two have been described to date. These two represent the major variants of this gene and encode the same protein.

Alternative Names

SDC1; SDC; CD138; SYND1; syndecan; syndecan-1; CD138 antigen; heparan sulfate proteoglycan fibroblast growth factor receptor; syndecan proteoglycan 1; Syndecan 1

Gene ID

[6382](#)

UniProt ID

[P18827](#)