SUITE 203, 17 Ramsey Road, Shirley, NY 11967, USA
Tel: 1-631-416-1478 Fax: 1-631-207-8356
Email: info@creative-biolabs.com
www.creative-biolabs.com

Product Information

Recombinant Anti-Human SDC1 Antibody scFv Fragment

Cat. No.: **MOM-18197-S(P)**
This product is for research use only and is not intended for diagnostic use.

Product Overview

Recombinant Chimeric (mouse/human) Antibody scFv Fragment is bind to Human SDC1, expressed in E. coli

Antigen Description

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 natures of only two have been described to date. These two represent the major variants of this gene and encode the same protein.

Specific Activity

Tested positive against native antigen.

Target

SDC1

Immunogen

U266 cell line

Source

Chimeric (mouse/human)

Species Reactivity

Human

Type

scFv Fragment from Chimeric (mouse/human) IgG4 - kappa

Expression Host

E. coli

Purity

>95.0% as determined by analysis by RP-HPLC.

Applications

Suitable for use in ELISA, WB, Neut and most other immunological methods.

Storage

Store it under sterile conditions at -20°C upon receiving. Recommend to pack the protein into smaller quantities for optimal storage.

ANTIGEN GENE INFOMATION

Gene Name

SDC1 syndecan 1 [Homo sapiens]

Official Symbol

SDC1

Synonyms

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

Gene ID

6382

mRNA Refseq

NM_001006946

Protein Refseq

NP_001006947

MIM

186355

UniProt ID

P18827

Chromosome Location

2p24.1

Pathway

Arf6 trafficking events, organism-specific biosystem; Cell adhesion molecules (CAMs), organism-specific biosystem; Cell adhesion molecules (CAMs), conserved biosystem; Chylomicron-mediated lipid transport, organism-specific biosystem; ECM-receptor interaction, organism-specific biosystem; ECM-receptor interaction, conserved biosystem; Integrins in angiogenesis, organism-specific biosystem;

Function

cytoskeletal protein binding; glycoprotein binding; lipoprotein lipase activity; protein C-terminus binding; protein binding;

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