

## Anti-Syndecan-1/SDC1 Antibody Picoband® FITC Conjugated

Catalog Number: PB9743-FITC

### About SDC1

Syndecan 1 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. 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.

### Overview

|                      |   |
|----------------------|---|
| Product Name         | Anti-Syndecan-1/SDC1 Antibody Picoband® FITC Conjugated   |
| Reactive Species     | Human   |
| Application          | Recommended applications are based on the parent unconjugated antibody (Flow Cytometry, IF, ICC, WB). Customers may select suitable applications according to their experimental needs. |
| Clonality            | Polyclonal  |
| Formulation          | Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na <sub>2</sub> HPO <sub>4</sub> , 0.02% NaN <sub>3</sub> .  |
| Storage Instructions | At -20°C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light.  |
| Host                 | Rabbit  |
| Uniprot ID           | P18827  |

### Technical Details

|                  |   |
|------------------|---|
| Immunogen        | A synthetic peptide corresponding to a sequence at the C-terminus of human Syndecan-1, different from the related mouse sequence by six amino acids, and from the related rat sequence by four amino acids. |
| Cross Reactivity | No cross-reactivity with other proteins.  |
| Isotype          | Rabbit IgG  |
| Form             | Liquid  |
| Concentration    | 0.5 mg/mL   |
| Purification     | Immunogen affinity purified.  |
| Conjugate        | FITC<br>Excitation Wavelength: 495 nm   |

|                     |  |
|---------------------|--|
|                     | Emission Wavelength: 525 nm                          |
| Suggested Dilutions | Optimal dilutions should be determined by end users. |

## 2 Publications Citing This Product

1. PubMed ID: 23346371, Huang J, Zhu C, Zhang P, Zhu Q, Liu Y, Zhu Z, Wang M, Li W, Yang G, Dong N, Liu J, Chen L, Zhang Y, Yang R, Deng L, Fan J, Wang X, Liu J, Ma B, Fu Q, Wu K. Sci Rep. 2013;3:1114. Doi: 10.1038/Srep01114. Epub 2013 Jan 23. S100+ Cells: A New Neuro-Im...

2. PubMed ID: 24659893, Yao J, Li Wy, Li Sg, Feng Xs, Gao Sg. World J Gastroenterol. 2014 Mar 21;20(11):3018-24. Doi: 10.3748/Wjg.V20.I11.3018. Midkine Promotes Perineural Invasion In Human Pancreatic Cancer.

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