

## Anti-Syndecan-1/SDC1 Antibody Picoband® Fluoro488 Conjugated

Catalog Number: PB9743-Fluoro488

### 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® Fluoro488 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	Fluoro488 Excitation Wavelength: 488 nm

	Emission Wavelength: 515-545 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.

Visit [bosterbio.com/anti-syndecan-1-picoband-trade-antibody-pb9743-boster.html](http://bosterbio.com/anti-syndecan-1-picoband-trade-antibody-pb9743-boster.html) to see all 2 publications.

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