

## Anti-Mucin-1 MUC1 Antibody Picoband® Fluoro594 Conjugated

Catalog Number: PA2302-Fluoro594

### About MUC1

Mucin 1, cell surface associated (MUC1) or polymorphic epithelial mucin (PEM) is a mucin encoded by the MUC1 gene in humans. This gene encodes a membrane-bound protein that is a member of the mucin family. Mucins are O-glycosylated proteins that play an essential role in forming protective mucous barriers on epithelial surfaces. It is mapped to 1q22. Mucin 1 is a transmembrane mucin normally expressed on the apical borders of secretory epithelial cells. Overexpression of Mucin 1 is often associated with colon, breast, ovarian, lung and pancreatic cancers. The protein serves a protective function by binding to pathogens and also functions in a cell signaling capacity. Mucin 1 stimulated ESR1-mediated transcription and contributed to estradiol-mediated growth and survival of breast cancer cells. This gene also can suppress pulmonary innate immunity, and its antiinflammatory activity may play an important modulatory role during microbial infection.

### Overview

Product Name	Anti-Mucin-1 MUC1 Antibody Picoband® Fluoro594 Conjugated
Reactive Species	Human
Application	Flow Cytometry
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	P15941

### Technical Details

Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human MUC1.
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.
Conjugate	Fluoro594 Excitation Wavelength: 593 nm Emission Wavelength: 618 nm

Suggested Dilutions

Flow Cytometry, Optimal dilutions should be determined by end users.

## 2 Publications Citing This Product

1. PubMed ID: 27895759, Globose, cystic olfactory ensheathing cell tumor: A case report and literature review
2. PubMed ID: 23384043, Zhang J, Chen X, Shi G, Xie X, Liu H, Zhang X, Lai Y, Zuo Y, Chen Z, Liu S, Wang H. J Ovarian Res. 2013 Feb 6;6(1):9. Doi: 10.1186/1757-2215-6-9. Establishment Of A New Representative Model Of Human Ovarian Cancer In Mice.

Visit [bosterbio.com/anti-muc1-antibody-pa2302-boster.html](http://bosterbio.com/anti-muc1-antibody-pa2302-boster.html) to see all 2 publications.

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