

Anti-Mucin-1 MUC1 Antibody Picoband® FITC Conjugated

Catalog Number: PA2302-FITC

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® FITC Conjugated
Reactive Species	Human
Application	Recommended applications are based on the parent unconjugated antibody (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 ₂ HPO ₄ , 0.02% Na ₃ N.
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	FITC 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: 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 to see all 2 publications.

Submit a product review to Biocompare.com

Submit a review of this product to Biocompare.com to receive a \$20 Amazon.com giftcard! Your reviews help your fellow scientists make the right decisions. Thank you for your contribution.



Anti-Mucin-1 MUC1 Antibody - FITC

For Research Use Only. Not for use in diagnostic procedures.