

## Anti-Mucin 5AC/MUC5AC Antibody Picoband® APC Conjugated

Catalog Number: PA2303-APC

### About MUC5AC

Mucin-5AC is a protein that in humans is encoded by the MUC5AC gene. It is mapped to 11p15.5. MUC5AC is highly expressed in adult trachea and stomach. This gene has been linked to mucus hypersecretion in the pulmonary tracts and associated to chronic obstructive pulmonary disease (COPD). It has been showed that activation of the NF-kappa-B signaling pathway by inflammatory cytokine TNF-alpha upregulated MUC5AC mRNA expression nearly 6-fold. MUC5AC is also a direct and critical mediator of resistance during intestinal nematode infection.

### Overview

Product Name	Anti-Mucin 5AC/MUC5AC Antibody Picoband® APC Conjugated
Reactive Species	Human
Application	Recommended applications are based on the parent unconjugated antibody (IHC, 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% Na <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	P98088

### Technical Details

Immunogen	A synthetic peptide corresponding to a sequence at the N-terminus of human Mucin 5AC.
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.
Conjugate	APC Excitation Wavelength: 633-647 nm Emission Wavelength: 660 nm
Suggested Dilutions	Optimal dilutions should be determined by end users.

## 2 Publications Citing This Product

1. PubMed ID: 34160729, Huang J,Liu J,Chang G,Wang Y,Ma N,Roy AC,Shen X.Glutamine Supplementation Attenuates the Inflammation Caused by LPS-Induced Acute Lung Injury in Mice by Regulating the TLR4/MAPK Signaling Pathway.Inflammation.2021 Jun 23.doi:10.1007/s10753-021-01491-2.Epub ahead of print.PMID:34160729.

2. PubMed ID: 23392769, Zhou J, Perelman Jm, Kolosov Vp, Zhou X. Mol Cell Biochem. 2013 May;377(1-2):75-85. Doi: 10.1007/S11010-013-1572-3. Epub 2013 Feb 8. Neutrophil Elastase Induces Muc5Ac Secretion Via Protease-Activated Receptor 2.

Visit [bosterbio.com/anti-mucin-5ac-antibody-pa2303-boster.html](http://bosterbio.com/anti-mucin-5ac-antibody-pa2303-boster.html) to see all 2 publications.

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