

BM5547**Monoclonal Antibody to Mucin-5AC - Supernatant**

Alternate names:	Gastric mucin, LeB, Lewis B blood group antigen, MUC5, MUC5AC, Major airway glycoprotein, Mucin-5 subtype AC, TBM, Tracheobronchial mucin, tracheobronchial
Quantity:	1 ml
Background:	Mucin is an important tumor-associated marker for adenocarcinomas.
Uniprot ID:	P98088
NCBI:	9606
Host / Isotype:	Mouse / IgG1
Clone:	45 MI
Immunogen:	Mucin isolated from ovarian mucinous cysts and colonic mucosa.
Format:	State: Liquid Culture Supernatant Buffer System: PBS Preservatives: 0.09% Sodium Azide Stabilizers: 1% BSA
Applications:	Immunofluorescence Microscopy. Immunohistochemistry of Frozen and Paraffin Sections (with ethanol fixed tissue): 1/10–1/40. with PFA fixation protease treatment is recommended <u>Positive Control:</u> Gastric mucosa of stomach. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	The antibody is reactive with the peptide core of gastric mucin (MUC5AC, earlier also described as mucin M1). Mucin is an important tumor-associated marker for adenocarcinomas. The antibody shows specificity to gastric mucosa, but is also reactive with stomach and colon carcinomas. Most breast carcinomas are negative. The antigen is localized in the cytoplasm.
Species Reactivity:	Tested: Human, most mammals (including Monkey, Cat, Pig, Rat, Mouse, Rabbit, Hedgehog), Chicken. Negative on cow.
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
Product Citations:	Purchased from Acris: 1. Goris K, Uhlenbruck S, Schwegmann-Wessels C, Köhl W, Niedorf F, Stern M, et al. Differential sensitivity of differentiated epithelial cells to respiratory viruses reveals different viral strategies of host infection. J Virol. 2009 Feb;83(4):1962-8. doi: 10.1128/JVI.01271-08. Epub 2008 Dec 3. PubMed PMID: 19052091. 2. Huang D, Xu B, Yang X, Xu B, Zhao J. Conjunctival structural and functional reconstruction using acellular bovine pericardium graft (Normal GEN®) in rabbits. Graefes Arch Clin Exp Ophthalmol. 2016 Apr;254(4):773-83. doi: 10.1007/s00417-015-3201-1. Epub 2015 Dec 1. PubMed PMID: 26626771.

General Readings:

1. Bara J, Decaens C, Loidon-Rosa B, Oriol R. Immunohistological characterization of mucin epitopes by pre-treatment of gastro-intestinal sections with periodic acid. J Immunol Methods. 1992 Apr 27;149(1):105-13. PubMed PMID: 1374774.
2. Bara J, Gautier R, Mouradian P, Decaens C, Daher N. Oncofetal mucin M1 epitope family: characterization and expression during colonic carcinogenesis. Int J Cancer. 1991 Jan 21;47(2):304-10. PubMed PMID: 1988372.