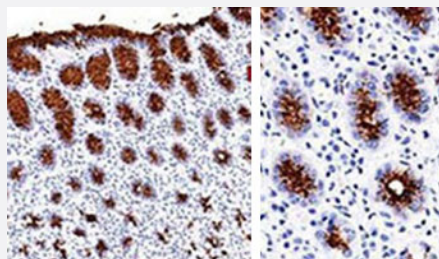


MUC5AC monoclonal antibody, clone 45M1

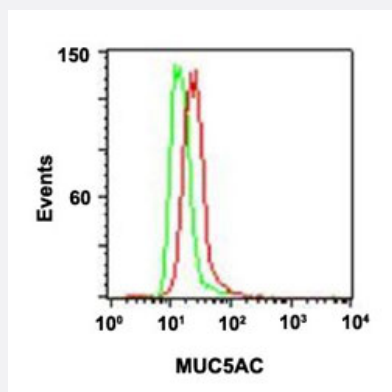
Catalog # MAB11324 Size 100 ug

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) analysis of human stomach with MUC5AC monoclonal antibody, clone 45M1 (Cat # MAB11324) at 1:500 using peroxidase-conjugate and DAB chromogen.



Flow Cytometry

Flow cytometric analysis of fixed (70% ethanol or 80% methanol) and permeabilized A-549 cells using MUC5AC monoclonal antibody, clone 45M1 (Cat # MAB11324) (red) and isotype control (green) at 1 ug/10⁶ cells.

Specification

Product Description	Mouse monoclonal antibody raised against MUC5AC.
Immunogen	MUC5AC isolated from the fluid of an ovarian mucinous cyst from an O Le(a-b-) patient.
Host	Mouse
Reactivity	Cat, Chicken, Hedgehog, Human, Monkey, Mouse, Pig, Rabbit, Rat
Form	Liquid
Purification	Protein G purification

Isotype	IgG1, kappa
Recommend Usage	Western Blot (1:100 - 1:2000) Flow Cytometry (1 ug/10 ⁶ cells) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:500) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.05% BSA, 0.05% sodium azide)
Storage Instruction	Store at 4°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

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- Flow Cytometry

Flow cytometric analysis of fixed (70% ethanol or 80% methanol) and permeabilized A-549 cells using MUC5AC monoclonal antibody, clone 45M1 (Cat # MAB11324) (red) and isotype control (green) at 1 ug/10⁶ cells.

Gene Info — MUC5AC

Entrez GeneID	4586
Gene Name	MUC5AC
Gene Alias	MUC5
Gene Description	mucin 5AC, oligomeric mucus/gel-forming
Omim ID	158373
Gene Ontology	Hyperlink
Gene Summary	O

Other Designations

gastric mucin|mucin 5, subtypes A and C, tracheobronchial/gastric|mucin 5AC|tracheobronchial mucin

Publication Reference

- [Comparison of immune response to human rhinovirus C and respiratory syncytial virus in highly differentiated human airway epithelial cells.](#)

Xin-Hui Yuan, Li-Li Pang, Jing Yang, Yu Jin.

Virology Journal 2022 May; 19(1):81.

Application: IF, Human, HBE cell

- [Protostemonine attenuates alternatively activated macrophage and DRA-induced asthmatic inflammation.](#)

Song Y, Wu Y, Li X, Shen Y, Ding Y, Zhu H, Liu F, Yu K, Sun L, Qian F.

Biochemical Pharmacology 2018 Sep; 155:198.

Application: WB-Ti, Mouse, Lung

- [MUC1, MUC2, MUC5AC, and MUC6 in colorectal cancer: expression profiles and clinical significance.](#)

Betge J, Schneider NI, Harbaum L, Pollheimer MJ, Lindtner RA, Kornprat P, Ebert MP, Langner C.

Virchows Archiv 2016 Sep; 469(3):255.

Application: IHC, Human, Colorectal cancer

- [Assessment of bile and serum mucin5AC in cholangiocarcinoma: Diagnostic performance and biologic significance.](#)

Danese E, Ruzzenente O, Ruzzenente A, Iacono C, Bertuzzo F, Gelati M, Conci S, Bendinelli S, Bonizzato G, Guglielmi A, Salvagno GL, Lippi G, Guidi GC.

Surgery 2014 Nov; 156(5):1218.

Application: WB, Human, Bile, Serum

Disease

- [Asthma](#)
- [Bronchiolitis](#)
- [Chronic Disease](#)
- [Genetic Predisposition to Disease](#)
- [Infant](#)

- [Lung Diseases](#)
- [Lung Neoplasms](#)
- [Otitis Media](#)
- [Otitis Media with Effusion](#)
- [Pulmonary Disease](#)
- [Recurrence](#)
- [Respiratory Syncytial Virus Infections](#)
- [Stomach Neoplasms](#)