

**Anti-MUC5AC Antibody (clone 45M1)**  
**Mouse Anti Human Monoclonal Antibody**  
**Catalog # ALS17387****Specification**

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**Anti-MUC5AC Antibody (clone 45M1) - Product Information**

Application	IHC-P, FC
Primary Accession	<a href="#">P98088</a>
Predicted	Human
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1,k
Calculated MW	585570

**Anti-MUC5AC Antibody (clone 45M1) - Additional Information****Gene ID** 4586**Alias Symbol** **MUC5AC**  
**Other Names**

MUC5AC, Gastric mucin, Major airway glycoprotein, Muc5/5ac, Mucin-5AC, LeB, Lewis B blood group antigen, Tracheobronchial mucin, TBM, MUC-5AC, MUC5

**Target/Specificity**  
Human MUC5AC**Reconstitution & Storage**

PBS, 0.05% sodium azide. Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze-thaw cycles.

**Precautions**

Anti-MUC5AC Antibody (clone 45M1) is for research use only and not for use in diagnostic or therapeutic procedures.

**Anti-MUC5AC Antibody (clone 45M1) - Protein Information****Name** MUC5AC {ECO:0000303|PubMed:11535137, ECO:0000312|HGNC:HGNC:7515}**Function**

Gel-forming glycoprotein of gastric and respiratory tract epithelia that protects the mucosa from infection and chemical damage by binding to inhaled microorganisms and particles that are subsequently removed by the mucociliary system (PubMed:<a href="http://www.uniprot.org/citations/14535999" target="\_blank">14535999</a>, PubMed:<a href="http://www.uniprot.org/citations/14718370" target="\_blank">14718370</a>). Interacts with H.pylori in the gastric epithelium, Barrett's esophagus as well as in gastric metaplasia of the duodenum (GMD) (PubMed:<a href="http://www.uniprot.org/citations/14535999" target="\_blank">14535999</a>).

**Cellular Location**

Secreted

**Tissue Location**

Highly expressed in surface mucosal cells of respiratory tract and stomach epithelia. Overexpressed in a number of carcinomas. Also expressed in Barrett's esophagus epithelium and in the proximal duodenum.

**Anti-MUC5AC Antibody (clone 45M1) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**Anti-MUC5AC Antibody (clone 45M1) - Images**