

**Mouse Monoclonal Antibody to MUC5AC**  
**Purified Mouse Monoclonal Antibody**  
**Catalog # AO2433a****Specification**

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**Mouse Monoclonal Antibody to MUC5AC - Product Information**

Application	<b>E, WB, FC</b>
Reactivity	<b>Human</b>
Host	<b>Mouse</b>
Clonality	<b>Monoclonal</b>
Isotype	<b>Mouse IgG2b</b>
Calculated MW	<b>585kDa KDa</b>

**Description**

MUC5AC (Mucin 5AC, Oligomeric Mucus/Gel-Forming) is a Protein Coding gene. Diseases associated with MUC5AC include stomach cancer and pancreatic ductal carcinoma. Among its related pathways are O-linked glycosylation and Transport to the Golgi and subsequent modification. GO annotations related to this gene include extracellular matrix structural constituent. An important paralog of this gene is OTOG.;

**Immunogen**

Purified recombinant fragment of human MUC5AC (AA: 5528-5627) expressed in E. Coli.

**Formulation**

Purified antibody in PBS with 0.05% sodium azide

**Application Note**

ELISA: 1/10000; WB: 1/500 - 1/2000; FCM: 1/200 - 1/400

**Mouse Monoclonal Antibody to MUC5AC - Additional Information****Other Names**

TBM; IeB; MUC5; mucin

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

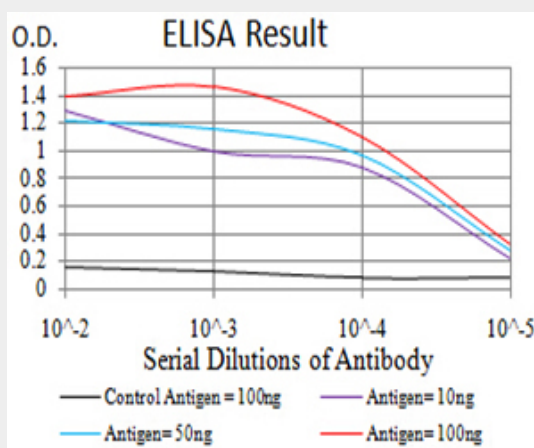
Mouse Monoclonal Antibody to MUC5AC is for research use only and not for use in diagnostic or therapeutic procedures.

**Mouse Monoclonal Antibody to MUC5AC - Protein Information****Mouse Monoclonal Antibody to MUC5AC - Protocols**

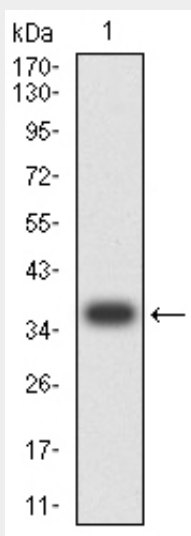
Provided below are standard protocols that you may find useful for product applications.

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

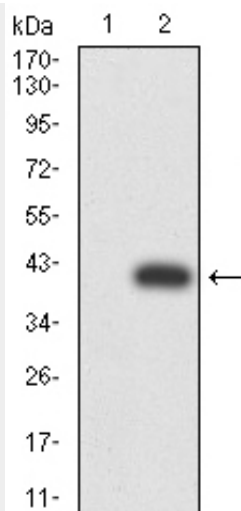
#### Mouse Monoclonal Antibody to MUC5AC - Images



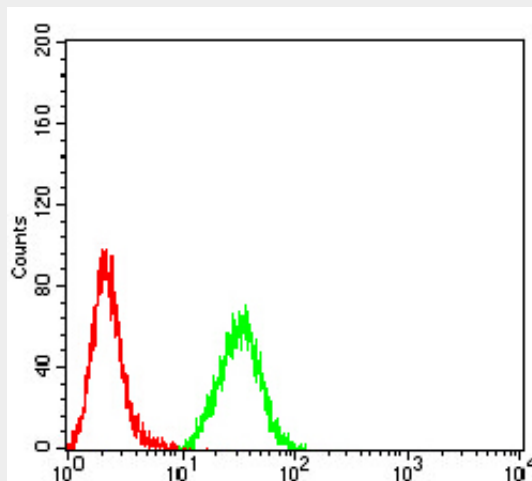
Black line: Control Antigen (100 ng); Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line: Antigen (100 ng)



Western blot analysis using MUC5AC mAb against human MUC5AC (AA: 5528-5627) recombinant protein. (Expected MW is 37 kDa)



Western blot analysis using MUC5AC mAb against HEK293 (1) and MUC5AC (AA: 5528-5627)-hlgGfc transfected HEK293 (2) cell lysate.



Flow cytometric analysis of Hela cells using MUC5AC mouse mAb (green) and negative control (red).

#### Mouse Monoclonal Antibody to MUC5AC - References

1.Biochemistry. 2015 Feb 3;54(4):1089-99. ; 2.Int J Oncol. 2013 Mar;42(3):887-93. ;