

Mouse MUC5AC (Mucin 5AC / Gastric Mucin) Monoclonal Antibody | anti-MUC5AC antibody

MUC5AC (Mucin 5AC / Gastric Mucin) Mouse Monoclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA62817	Mouse	Human, Monkey, Cow, Cat, Mouse	Immunohistochemistry, Immunofluorescence, Flow Cytometry, Functional Assay

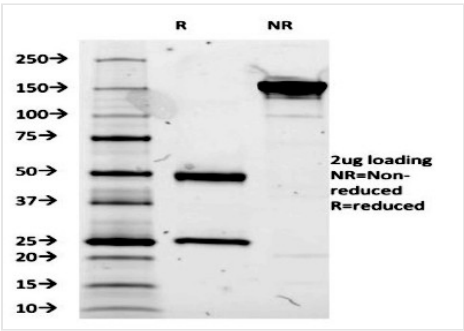
PRODUCT SYNONYMS

MUC5AC (Mucin 5AC / Gastric Mucin); Monoclonal Antibody; MUC5AC (Mucin 5AC / Gastric Mucin) Mouse Monoclonal Antibody; Apomucin Major Airway Glycoprotein; Mucin 5 subtype AC tracheobronchial; Mucin 5 Subtypes A And C; Mucin 5AC oligomeric mucus/gel forming; Tracheobronchial Mucin (TBM); anti-MUC5AC antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human, Monkey, Cow, Cat, Mouse
Clonality	Monoclonal
Isotype	IgG1, kappa
Clone Number	2-11M1
Specificity	This MAb recognizes the peptide core of gastric mucin M1 (recently identified as Mucin 5AC). Its epitope is located in the N-terminal cysteine rich part of the peptide core of MUC5AC, which is heavily glycosylated. Its epitope is destroyed by beta-mercaptoethanol but not by periodate treatment. MAb 2-11M1 reacts with the protein backbone exclusively; it only reacts with fully deglycosylated MUC5AC. Therefore, the material under test should also be fully deglycosylated. This can be achieved with standard periodate oxidation method. The success of the deglycosylation can be checked with routine PAS (Periodic Acid Schiff) staining. After deglycosylation, the preparation should no longer be stainable with PAS reagent. Only then 2-11M1 will react should MUC5AC be present. This mucin is present in primary ovarian mucinous cancer but usually absent in colorectal adenocarcinoma, thus showing an expression pattern opposite to MUC2. Together with a panel of antibodies, Anti-MUC5AC may be useful for differential identification of primary mucinous ovarian tumors from colon adenocarcinoma metastatic to the ovary. MUC5AC antibodies may also be useful for identification of intestinal metaplasia as well as in the identification of pancreatic carcinoma and pre-cancerous changes vs. normal pancreas.
Form/Format	200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Sequence Length	5654
Applicable Applications for anti-MUC5AC antibody	IHC (Immunohistochemistry), IF (Immunofluorescence), FCM/FACS (Flow Cytometry)
Cellular Localization	Cytoplasmic
Immunogen	M1 mucin preparation from the fluid of an ovarian mucinous cyst belonging to an O Le(a-b) patient
Hu-Chromosome Location	11p15.5
Positive Control	MCF-7 cells, Human stomach
Preparation and Storage	Antibody without azide - store at -20 to -80 degree C. Non-hazardous. No MSDS required.

IMAGES



SDS-PAGE
SDS-PAGE Analysis Purified MUC5AC Mouse Monoclonal Antibody (2-11M1). Confirmation of Purity and Integrity of Antibody.

ADDITIONAL INFORMATION

References	Cancer Res.46: 3983-3989 (1986). Biochem. J. 254: 185-193 (1988). Int. J. Cancer 47: 304-310 (1991). J. Immunol. Methods 149: 105-113 (1992)
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NCBI AND UNIPROT INFORMATION

NCBI GI #	748983076
NCBI GeneID	4586
NCBI Accession #	NP_001291288.1
NCBI GenBank Nucleotide #	NM_001304359.1
UniProt Accession #	P98088; O60460; O76065; Q13792; Q14425; Q658Q1; Q7M4S5; Q8N4M9; Q8WWQ3; Q8WWQ4; Q8WWQ5; AOA096LPK4
Molecular Weight	>1; 000kDa
NCBI Official Full Name	mucin-5AC
NCBI Official Synonym Full Names	mucin 5AC, oligomeric mucus/gel-forming
NCBI Official Symbol	MUC5AC
NCBI Official Synonym Symbols	TBM; leB; MUC5; mucin
NCBI Protein Information	mucin-5AC
UniProt Protein Name	Mucin-5AC
UniProt Gene Name	MUC5AC
UniProt Synonym Gene Names	TBM
UniProt Entry Name	MUC5A_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/muc5ac-mucin-5ac-gastric-mucin-antibody-clone-2-11m1-immunohistochemistry-immunofluorescence-flow-cytometry-elisa/62817>