

MUC5AC (Mucin 5AC / Gastric Mucin) Antibody

Mouse Monoclonal Antibody [Clone 45M1]

Catalog No	Format	Size
4586-MSM1-B0	Purified Ab conjugated to Biotin with BSA and Azide at 200ug/ml	20 ug
4586-MSM1-B1	Purified Ab conjugated to Biotin with BSA and Azide at 200ug/ml	100 ug
4586-MSM1-B1ABX	Purified Ab conjugated to Biotin WITHOUT BSA and Azide at 1.0mg/ml	100 ug
4586-MSM1-B1X	Purified Ab conjugated to Biotin WITH BSA and Azide at 1.0mg/ml	100 ug

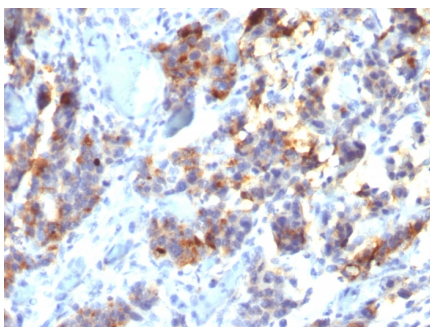
Applications	Tested Dillution	Note
Flow Cytometry (Flow)	1-2ug/million cells	
Immunofluorescence (IF)	1-3ug/ml	
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes

Product Details

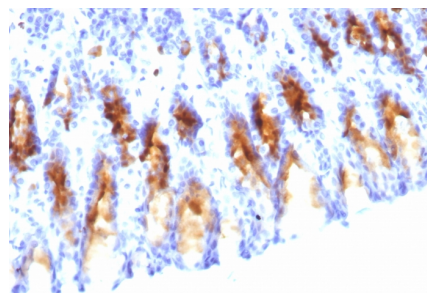
Clone	45M1
Gene Name	MUC5AC
Immunogen	M1 mucin preparation from the fluid of an ovarian mucinous cyst belonging to an O Le(a-b) patient
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG1 / Kappa
Mol. Weight of Antigen	400-600 kDa
Cellular Localization	Cytoplasm, Secreted
Species Reactivity	Human
Positive Control	Stomach

*Optimal dilution for a specific application should be determined.

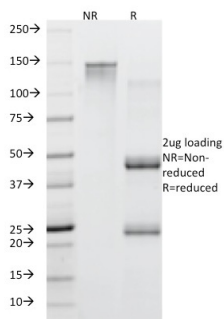
Product Images for MUC5AC (Mucin 5AC / Gastric Mucin) Antibody



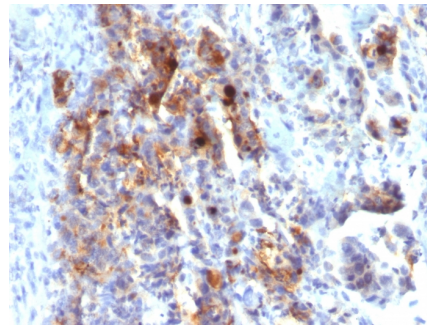
Formalin-fixed, paraffin-embedded human Gastric Carcinoma stained with MUC5AC Mouse Monoclonal Antibody (45M1).



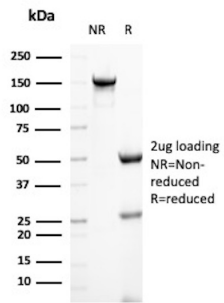
Formalin-fixed, paraffin-embedded Rat Stomach stained with MUC5AC Mouse Monoclonal Antibody (45M1).



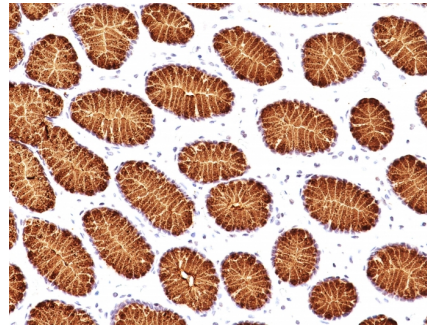
SDS-PAGE Analysis Purified MUC5AC Mouse Monoclonal Antibody (45M1). Confirmation of Integrity and Purity of Antibody



Formalin-fixed, paraffin-embedded human Gastric Carcinoma stained with Biotinylated MUC5AC Mouse Monoclonal Antibody (45M1).



SDS-PAGE Analysis of Purified Mucin-5AC Recombinant Mouse Monoclonal Antibody (45M1). Confirmation of Purity and Integrity of Antibody.



Formalin-fixed, paraffin-embedded human Stomach stained with MUC5AC Mouse Monoclonal Antibody (45M1).

Specificity & Comments

This MAb recognizes the peptide core of gastric mucin M1 (recently identified as Mucin 5AC). Its epitope is located in the C-terminal cysteine rich part of the peptide core of MUC5AC. Its epitope is destroyed by beta-mercaptoethanol but not by periodate treatment. 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.

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis. There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.

Supplied As

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.

Storage and Stability

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Research Areas

Cardiovascular, Immunology, Infectious Disease