

MUC5AC (Mucin 5AC / Gastric Mucin) Antibody

Mouse Monoclonal Antibody [Clone CLH2]

Catalog No	Format	Size
4586-MSM5-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
4586-MSM5-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
4586-MSM5-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

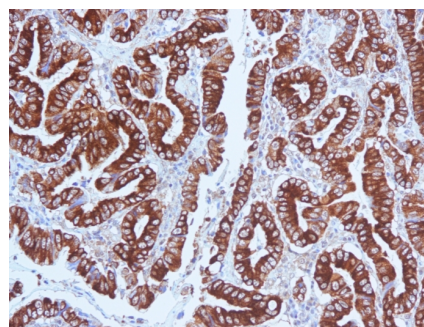
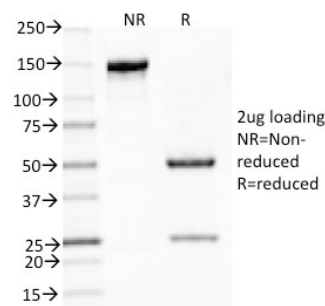
Applications	Tested Dillution	Note
Flow Cytometry (Flow)	1-2ug/million cells	
Immunofluorescence (IF)	1-3ug/ml	
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling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

Product Details

Clone	CLH2
Gene Name	MUC5AC
Immunogen	A synthetic peptide of human MUC5AC tandem repeat
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG1 / Kappa
Mol. Weight of Antigen	>1 000kDa
Cellular Localization	Secreted
Species Reactivity	Human
Positive Control	Human colon or stomach (IHC).

*Optimal dilution for a specific application should be determined.

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



SDS-PAGE Analysis of Purified MUC5AC Mouse Monoclonal Antibody (CLH2).
Confirmation of Integrity and Purity of Antibody

Formalin-fixed, paraffin-embedded human Gastric Carcinoma stained with MUC5AC Mouse Monoclonal Antibody (CLH2). Courtesy of Dr. Leonor David, IPATIMUP and Medical Faculty, University of Porto, Portugal.

Specificity & Comments

Mucin 5AC glycoprotein (MUC5AC) is a HMW glycoprotein belonging to the superfamily of mucins. Mucins are produced by epithelial cells and can be divided into two families; secretory mucins and membrane bound mucins. MUC5AC is a mucus-forming, secreted mucin that is found in normal gastric and tracheo-bronchial mucosa, but absent from normal colon. MUC5AC expression 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. The antibody recognizes the sequence TTSTTSAP within the tandem repeat of MUC5AC. It further recognizes glycosylated as well as unglycosylated MUC5AC.

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
