

Product datasheet for **AM50143PU-S**

Mucin 5AC (MUC5AC) Mouse Monoclonal Antibody [Clone ID: SPM297]

Product data:

Product Type:	Primary Antibodies
Clone Name:	SPM297
Applications:	FC, IF, IHC, IP, WB
Recommended Dilution:	ELISA: Use BSA free Antibody for coating. Flow Cytometry: 0.5-1 µg/million cells. Immunofluorescence: 1-2 µg/ml. Western Blotting: 0.5-1 µg/ml. Immunoprecipitation: 1-2 µg/500 µg protein lysate. Immunohistochemistry on Frozen and Formalin-fixed Sections: 0.5-1.0 µg/ml for 30 minutes at RT. Staining of formalin-fixed tissues requires boiling tissue sections in 10mM Citrate Buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes. Positive Control: Stomach.
Reactivity:	Chicken, Feline, Human, Monkey, Mouse, Porcine, Rabbit, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	M1 mucin preparation from the fluid of an ovarian mucinous cyst belonging to an O Le(a-b) patient.
Specificity:	This MAb recognizes the peptide core of gastric mucin M1 (>1,000kDa) (recently identified as Mucin 5AC). Its epitope is destroyed by beta-mercaptoethanol and proteases but not by periodate treatment. Antibody to gastric mucin M1 reacts with the gastric epithelium of normal human gastrointestinal tract as well as with the precancerous and cancerous colon but not with normal adult colon. It also reacts with fetal colonic mucosa. Resurgence of gastric mucin reactivity during colonic carcinogenesis is due to re-expression of the peptide core of gastric (or fetal colonic) mucins. Cellular Localization: Cytoplasmic. Negative Species: Bovine.



[View online »](#)

Formulation: 10mM PBS
State: Purified
State: Liquid purified IgG fraction from Bioreactor Concentrate
Stabilizer: 0.05% BSA
Preservative: 0.05% Sodium Azide

Concentration: lot specific

Purification: Protein A/G Chromatography

Conjugation: Unconjugated

Storage: Store undiluted at 2-8°C.

Stability: Shelf life: one year from despatch.

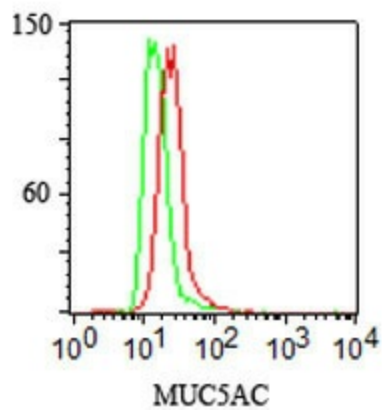
Predicted Protein Size: > 1,000 kDa

Gene Name: mucin 5AC, oligomeric mucus/gel-forming

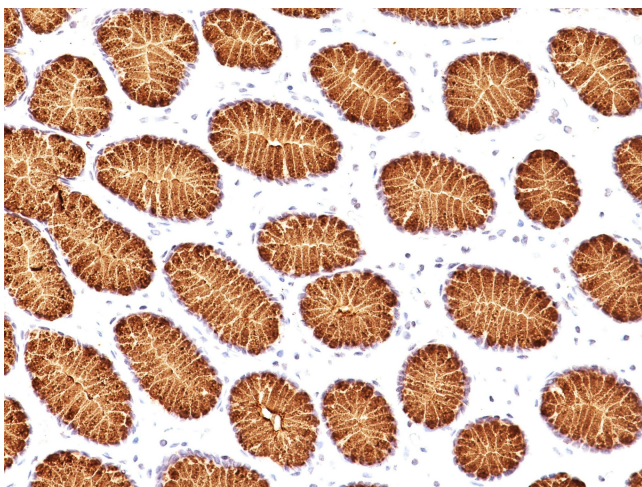
Database Link: [Entrez Gene 4586 Human P98088](#)

Synonyms: MUC5AC, MUC5, TBM, LeB

Product images:



Intracellular flow cytometry of fixed (70% ethanol or 80% methanol) and permeabilized A549 cells using Mucin-5AC Antibody (Clone SPM297) (red) and isotype control (green).



Formalin-paraffin human stomach stained with Mucin-5AC Antibody (Clone SPM297).