

## Product datasheet for **AM10119SU-N**

### Mucin 5AC (MUC5AC) Mouse Monoclonal Antibody [Clone ID: MRQ-19]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	MRQ-19
Applications:	IHC
Recommended Dilution:	<b>Immunohistochemistry on Formalin-Fixed, Paraffin-Embedded Sections:</b> 1/50-1/200 Pretreatment of deparaffinized tissue with heat-induced epitope retrieval is recommended. Use Polymer anti Mouse/Rabbit IgG as a detection system. <i>Positive Control:</i> Pancreatic ductal carcinoma.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	M1 Mucin preparation from the fluid of an ovarian mucinous cyst belonging to an O Le(ab-) patient.
Specificity:	Recognizes Mucin-5AC Cellular Localization: Cell membrane.
Formulation:	State: Supernatant State: Liquid Tissue Culture Supernatant with 0.2% BSA and 15mM Sodium Azide.
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C.
Stability:	Shelf life: one year from despatch.
Gene Name:	mucin 5AC, oligomeric mucus/gel-forming
Database Link:	<a href="#">Entrez Gene 4286 Human</a> <a href="#">Entrez Gene 4586 Human</a> <a href="#">P98088</a>



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**Background:**

Mucins are high molecular weight glycoproteins with 80% carbohydrate contents and the remaining 20% is constituted by protein core. Gastric mucin M1 antigens are detected/found in columnar mucous cells of surface gastric epithelium and in goblet cells of the fetal and precancerous colon but not in those of normal colon. Evidence from the literature suggests that they are associated with the peptide core of mucins. Resurgence of gastric Mucin reactivity during colonic carcinogenesis is suggested to be due to either reexpression of the peptide core of gastric (or fetal colonic) mucins in the adult colon or due to changes in the glycosylation pattern of mucin which expose the hidden M1 antigens.

**Synonyms:**

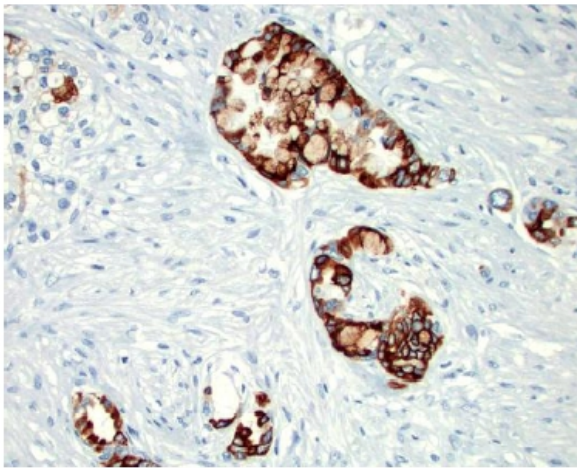
MUC5AC, MUC5, TBM, LeB

**Protein Families:**

Druggable Genome, Transcription Factors

**Protein Pathways:**

Melanogenesis, Melanoma, Pathways in cancer

**Product images:**

Formalin-Fixed, Paraffin-Embedded Human pancreatic ductal carcinoma stained with Mucin-5AC antibody Cat.-No. AM10119SU-N using peroxidase conjugate and DAB chromogen. Note the cytoplasmic staining of tumor cells.