
MUC-5AC (Clone ZM148) Mouse Monoclonal Antibody

Specificity: Human. Others-not known

Immunogen: M1 mucin preparation from the fluid of an ovarian mucinous cyst belonging to an O Le(a-b) patient

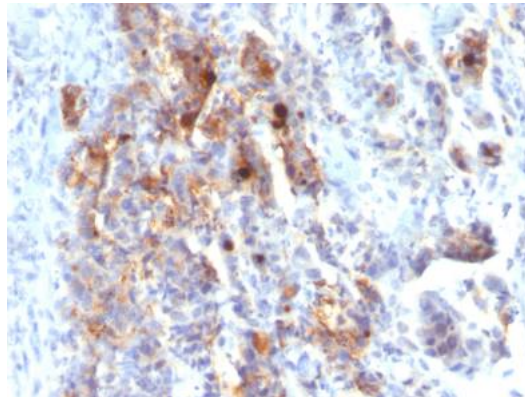
Ig Class: IgG1/ κ

Storage: Store vial at 4°C. When stored at 2-8°C, this antibody is stable for 24 months

Staining procedures: Use formalin-fixed and paraffin-embedded sections. *Retrieval conditions:* Pretreatment of deparaffinized tissue with heat-induced epitope retrieval is recommended. *Detection methods:* Polymer anti-mouse/rabbit Ig detection system. *Working dilution:* 1:100-200; *Positive Control:* Gastric carcinoma. *Cellular Localization:* Cell membrane. *Intended Use:* In vitro diagnosis (IVD).

Description: 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.

Supplied As: Purified antibody with 0.2% BSA and 15mM sodium azide.



Formalin-fixed, paraffin-embedded human gastric carcinoma stained with anti MUC-5AC antibody using peroxidase-conjugate and DAB chromogen. Note the cytoplasmic staining of tumor cells

Cat. #Z2461 (1.0 ml)

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