

## Monoclonal Mouse Antibody to Mucin 5AC / Gastric Mucin

<b>Catalog No.:</b>	Mob 357, Mob 357-05
<b>Intended Use:</b>	This product is intended for qualitative immunohistochemistry with normal and neoplastic formalin-fixed, paraffin-embedded tissue sections, to be viewed by light microscopy. Clinical interpretation of staining results should be accompanied by histological studies with proper controls. Patients' clinical histories and other relevant diagnostic tests should be utilized by a qualified person(s) when evaluating and interpreting results.
<b>Immunogen:</b>	BALB/C mice were injected with M1 mucin preparation from the fluid of an ovarian mucinous cyst belonging to an O Le (a-b) patient.
<b>Clone:</b>	45M1
<b>Isotype:</b>	IgG1, kappa
<b>Format:</b>	This antibody is supplied as purified immunoglobulin fraction containing sodium azide as a preservative.
<b>Titer/Working Dilution:</b>	This antibody may be diluted to a titer of 1:50-1:200 with polymer detection systems such as our UnoVue or PolyVue systems. The final dilution should be determined by the user based upon the staining conditions employed.
<b>Staining Protocol:</b>	We suggest an incubation period of 30 minutes at room temperature. Optimal incubation conditions should be determined by the user based upon the fixation conditions and staining system employed. <u>This anti body is suitable for formalin fixed paraffin embedded tissue section and usually does not require pretreatment.</u>
<b>Specificity:</b>	This antibody reacts with a 1000 kD protein and recognizes the peptide core of gastric mucin M1. Mucins are high molecular weight glycoproteins with 80% carbohydrates and 20% core protein. Gastric mucin M1 antigen is found in columnar mucus cells of surface gastric epithelium and in goblet cells of fetal and precancerous colon but not in normal colon. Resurgence of gastric mucin during colonic carcinogenesis is suggestive of either re-expression of the peptide core of gastric mucin in the adult colon or due to changes in the glycosylation pattern of mucin which expose the hidden M1 antigen. It cross-reacts with monkey, rabbit, cat, mouse, rat, pig, hedgehog, and chicken.
<b>Positive Control:</b>	Stomach
<b>Cellular Localization:</b>	Cytoplasmic, cell surface
<b>Storage:</b>	Store at 2-8°C. Do not use beyond the expiration date stated on the label.
<b>References:</b>	i) Bara et al. Int J Cancer 47: 304, 1991. ii) Bara et al. J Immun Methods 149: 105, 1992.

### IVD: For In Vitro Diagnostic Use

DBS will not be held responsible for patent infringement or other violation that may occur with the use of our product

**DBS**

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