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TECHNICALLY *Speaking*

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Purified Mouse Anti-Mucin 5AC / Gastric Mucin Monoclonal Antibody

CLSG36790
CLSG36790-05
Lot:

Immunogen:	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.
Clone:	45M1
Isotype:	IgG1, kappa
Format:	1 ml (CLSG36790) or 0.5 ml (CLSG36790-05). This antibody is supplied as purified immunoglobulin fraction containing sodium azide as preservative.
Titer/Working Dilution:	This antibody may be diluted to a titer of 1:50-1:75 in an ABC method. However, depending on the staining conditions employed, we suggest that final dilution should be determined by the user.
Staining Protocol:	We suggest an incubation period of 30 minutes at room temperature. However, depending upon the fixation conditions and the staining system employed, optimal incubation should be determined by the end user. <u>This antibody is suitable for Formalin fixed paraffin embedded tissue section and does not require any pretreatment.</u>
Specificity:	This antibody reacts with a 1000 kDa 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 the 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.
Positive Control:	Stomach
Cellular Localization:	Cytoplasmic, cell surface

Continued...

For more information or to place an order please contact...

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Storage:

Store the antibody at 2-8°C. Do not use it beyond the expiration date stated on the label.

References:

- i) Bara et al. Int J Cancer 47: 304, 1991.
- ii) Bara et al. J Immun Methods 149: 105, 1992.

JV 10/02/08

Laboratory Reagent For Research Use Only