

Monoclonal Mouse Antibody to Mucin 5AC / Gastric Mucin

Catalog No.:	PDM 163
Intended Use:	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.
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:	This antibody has been pretitered and quality controlled to work on formalin-fixed paraffin-embedded and acetone fixed cryostat tissue sections. No further titration is required. This antibody contains sodium azide and Proclin 300 as preservatives.
Staining Protocol:	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 antibody is suitable for formalin fixed paraffin embedded tissue section and usually does not require pretreatment.</u>
Specificity:	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.
Positive Control:	Stomach
Cellular Localization:	Cytoplasmic, cell surface
Storage:	Store at 2-8°C. Do not use 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.

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

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