Genemed Biotechnologies, Inc.

Mouse Monoclonal anti-MUC5AC, Clone Nd-2

60-0160-7	7 mL predilute Antibody, Ready-To-Use
61-0160; 61-0160-2; 61-0160-5	1 mL; 0.2 mL; 0.5 mL Concentrate Antibody
Isotype	IgG1, kappa
Concentration	See container label

Intended Use

For In Vitro Diagnostic Use.

This product is used to qualitatively detect MUC5AC in normal and neoplastic formalin fixed, paraffin embedded (FFPE) tissue sections in immunohistochemical (IHC) detection methodology. Interpretation must be made within the context of the patient's clinical history and other diagnostic test by a qualified pathologist.

Description

Mucins are high molecular weight glycoproteins which produced by epithelial cells and constitute the major component of the mucus layer that protects the gastric epithelium from chemical and mechanical aggressions. Mucins can be divided into two families; secretory mucins and membrane bound mucins. Mucin MUC5AC is a secretory mucin. MUC5AC is not expressed in normal pancreas but is expressed by most pancreatic ductal adenocarcinomas. MUC5AC is expressed also by endocervical adenocarcinomas and a variable number of tumors of the gastrointestinal tract. Together with a panel of antibodies, antibodies to MUC5AC may be useful for identification of pancreatic carcinoma and pre-cancerous changes and differentiation of intestinal metaplasia.

Reagent provided

This antibody is diluted in 10 mM Phosphate buffered saline (PBS), pH 7.2 containing 1% bovine serum albumin (BSA) and 0.09% sodium azide (NaN_3) as antimicrobial agent.

Precautions

For professional users.

Proper handling of this product as with any product derived from biological sources according to local and applicable regulations.

Sodium azide is a toxic chemical. The concentration in this product is not classified as hazardous; however, the build-ups of NaN_3 may react with lead and copper plumbing to form highly explosive metal azides. Flush the disposed reagent with large volume of water to prevent azide build-up.

Usage

Dilution

60-0160-7: Ready-To-Use

61-0160; 61-0160-2; 61-0160-5: Dilute 1:100 to 1:200 before use when using Power-Stain™ and Acu-Stain™ detection systems. Optimum dilution factor may vary depending on the specimen and preparation process and should be determined by each individual investigator.

Staining procedure

Incubate this antibody with tissue section for 30-60 minutes at room temperature. Follow the instructions from the selected detection system.

Positive control tissue

Stomach

Epitope retrieval

Proteinase K

Staining pattern

Cytoplasm and perinuclear

Storage

Store at 2-8°C.

References

1. Ho J, et al. Cancer Res. 1991; 51(1):372-80.
2. Ho JJ, et al. Biochem Biophys Res Commun. 2002; 294(3):680-6.
3. Kim GE, et al. Gastroenterology. 2002; 123(4):1052-60.

Symbols

Catalog No.

Batch No.

In Vitro Diagnostic Use


Temperature Range


Use By

31700 Rev. 00

Genemed Biotechnologies, Inc
458 Carlton Ct.
South San Francisco, CA 94080, U.S.A.
Tel: 650-952-0110
Fax: 650-952-1060

MDSS GmbH
Schiffgraben 41
30175 Hannover
Germany