

Mouse Anti-TAG-72/CA72.4 [B72.3]: MC0265, MC0265RTU7

Intended Use: For Research Use Only

Description: Tumor-Associated Glycoprotein 72 (TAG-72) is an oncofetal mucin antigen expressed by normal secretory endometrium and most human adenocarcinomas, including colorectal, gastric, pancreatic, mammary, and ovarian. Antibody B72.3 recognizes a carbohydrate epitope identified as sialylated Tn antigen. This antigen is expressed by invasive ductal breast carcinomas, colon, pancreatic, gastric, esophageal, lung, ovarian and endometrial adenocarcinomas. It is not expressed by leukemias, lymphomas, sarcomas, mesotheliomas, melanomas, or benign tumors. This antigen is also expressed on normal secretory endometrium, but not on other normal tissues. TAG-72 expression in fetal tissue is only observed in tissues of the gastrointestinal tract, including the colon, esophagus and stomach. No reactivity is seen with tissue from other organ systems, including the lymphoreticular, cardiovascular, hepatic, pulmonary, neural, muscular, skin, endocrine and genitourinary tissues.

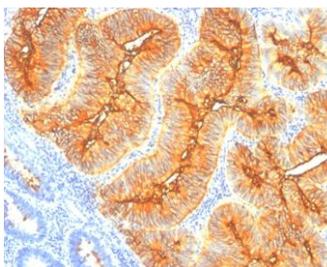
Specifications

Clone: B72.3
 Source: Mouse
 Isotype: IgG1k
 Reactivity: Human, rat, cow, dog, hamster
 Immunogen: Membrane-enriched fraction of human breast carcinoma liver metastasis
 Localization: Cytoplasm, membrane
 Formulation: Protein A/G purified antibody in PBS pH7.4, containing BSA and ≤ 0.09% sodium azide (NaN₃)
 Storage: Store at 2°- 8°C
 Applications: IHC, Flow Cyt., IF
 Package:

Description	Catalog No.	Size
TAG-72/CA72.4 Concentrated	MC0265	1 ml
TAG-72/CA72.4 Prediluted	MC0265RTU7	7 ml

IHC Procedure

Positive Control Tissue: Breast or lung cancer
 Concentrated Dilution: 100-500
 Pretreatment: Tris EDTA pH9.0, 15 minutes using Pressure Cooker, or 30-60 minutes using water bath at 95°-99°C
 Incubation Time and Temp: 30-60 minutes @ RT
 Detection: Refer to the detection system manual
 * Result should be confirmed by an established diagnostic procedure.



FFPE human colon cancer stained with anti-TAG-72 using DAB

References:

1. RNAi-mediated gene silencing of ST6GalNAc I suppresses the metastatic potential in gastric cancer cells. Tamura F, et al. Gastric Cancer 19:85-97, 2016.
2. Expression profile of mucin-associated sialyl-Tn antigen in Chinese patients with different colorectal lesions (adenomas, carcinomas). Xu F, et al. Int J Clin Exp Pathol 8:11549-54, 2015.
3. Multiple-marker immunohistochemical phenotypes distinguishing malignant pleural mesothelioma from pulmonary adenocarcinoma. Brown RW, et al. Hum Pathol 24:347-54, 1993.