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Mouse Anti-Human Colorectal Carcinoma Monoclonal Antibody Datasheet

Product Name: mAb anti-human Colorectal Carcinoma	Clone No.: Y94
Catalogue No.: MO-T40022	Quantity: 0.5 mg/vial
Description: Mouse monoclonal antibody to human colorectal carcinoma	Storage: Store at -20°C
Purification: Protein G affinity purified	Research Area: Oncology
Product Type: Primary antibody	Background: Colorectal carcinoma is the cancer developed in the colon or rectum of the digestive system. In developed countries, it is the most common cancer in aging population. Genetic deposition and a less active life style contribute to the development of the cancer. Molecular pathological study showed that altered Wnt-APC-β-catenin signalling pathway, mutated p53, and deactivated TGF-β and DCC (Deleted in Colon Cancer) are involved with the pathogenesis. The cancer is currently screened with a fecal occult blood test in people over 50 years old and the malignancy is confirmed by tumour biopsy. The search for specific biomarker for non-invasive test is still ongoing.
Target Protein: Human colorectal carcinoma related protein	Tumour associated antigen, TAG-72, is a high molecular weight glycoprotein found at the cell surface in a variety of cancers including gastric cancer, ovarian cancer, colon cancer, breast cancer and pancreatic cancer. It has been used as a tumour marker and therapeutic target for cancer treatment.
Immunogen: Human colorectal carcinoma	Applications: IHC
Fusion Myeloma: Sp2/0-Ag14	References: If research is published using this product, please inform Anogen in order to cite the reference on this datasheet. Anogen will provide one unit of product in the same category as gratitude.
Specificity: The selected monoclonal antibody reacts with frozen and formalin-fixed, paraffin-embedded human colorectal carcinoma tissues, but does not react with normal adult tissues tested such as liver, colon, breast, stomach, lymph node, and kidney. This antibody can detect the presence of the tumor-associated antigen in the serum of patients with colorectal carcinoma, and was shown to react with mucin-like oncofetal pancarcinoma antigen, glycoprotein TAG-72 (MW: 220-400kDa.)	
Species Reactivity: Human, others not tested	
Host / Isotype: Mouse, IgG1 Kappa	
Formulation: Lyophilized from a solution in 0.01M PBS, pH7.0	
Reconstitution: Double distilled water is recommended to adjust the final concentration to 1.00mg/mL.	

This product is for **LABORATORY RESEARCH USE** and further manufacture **ONLY**, and cannot be administered to human and animals for use in diagnostic and therapeutic procedures.

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