Mouse Anti-Rat Tumor Antigens Epithelial Origin Clone MG1 mAb

Catalog No.	MON6087	**Quantity:**	100 µg

Description: MG1 is a rat strain-independent markers for tumor cells of epithelial origin, such as colon, breast, or lung cancer, etc. When injected in colon tumor-bearing rats, MG1 localizes to tumor cells. MG1 is suitable for immunohistochemical staining of tumor cells in frozen tissue sections as well as formalin-fixed/paraffin-embedded tissue. MG1 is also suitable for flow cytometry, Western blotting, immunoprecipitation, and ELISA.
MG1 has been raised by immunization of mice with rat colon adenocarcinoma cells (CC531). Hybridomas were selected for producing antibodies reacting with the CC531 cell line and with minimal cross reactivity to normal tissues. MG1 belongs to a second generation of antibodies directed against tumors of epithelial origin that were strictly selected for minimal cross reactivity with other tissues.

Host: Mouse

Isotype: IgG2a

Clone: MG1

Formulation: MG1 is supplied as purified, in amounts of 100 µg, 0.05% sodium azide is added as a preservative. **Precaution:** Sodium azide is a poisonous and hazardous substance which should be handled by trained staff only.

Applications: This monoclonal antibody recognizes a cell surface structure of about 80 kD expressed by rat tumor cells of epithelial origin. It is suitable for in vivo applications as it has no detectable binding to other cell types then tumor cells when injected in rats. MG1 is also useful for immunohistochemical detection of tumor cells. In immunohistochemical staining, there is some cross reactivity in thymus and lymph nodes. Citric acid or EDTA pre-treatment is recommended for formalin-fixed/paraffin-embedded tissue sections.

Storage & Stability: Two months at 4°C, one year at -20°C. **Avoid repeated thawing/freezing.**

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