

## Mouse Anti-Rat Tumor Antigens Epithelial Origin Clone CC52 mAb

**Catalog No.** MON6084                      **Quantity:** 100 µg

**Description:** CC52 is a rat strain-independent marker for tumor cells of epithelial origin, such as colon, breast, or lung cancer, etc. When injected in colon tumor-bearing rats, CC52 localized to tumor cells. CC52 can be used for immunohistochemical staining of tumor cells in frozen tissue sections as well as formalin-fixed/paraffin-embedded tissue. CC52 is also suitable for flow cytometry, Western blotting, immunoprecipitation, and ELISA.  
This monoclonal antibody 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. CC52 belongs to a first generation of such antibodies and is suitable to detect tumor cells by immunohistochemistry.

**Host:** Mouse

**Isotype:** IgG1

**Clone:** CC52

**Formulation:** CC52 is supplied, 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:** The monoclonal antibody binds to a dimer of two proteins, 120 kD and 130 kD, expressed by rat tumor cells of epithelial origin. CC52 has been used in many studies in a rat model of colorectal cancer. In immunohistochemical staining, there is some cross reactivity with intestinal epithelial tissue and bile ducts. Citric acid pretreatment is recommended for formalin-fixed/paraffin-embedded tissue sections. The antigens detected by CC52 are also expressed by IL-2-activated cultured NK cells and T cells and by bone marrow cells. CC52 can also be used in Western blotting. In addition, there is a bispecific antibody available (R73xCC52) This bispecific antibody is able to induce T cells to lyse tumor cells.

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

**NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.**