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# Product datasheet for AM32149PU-N

## Rat Tumors, epithelial origin Mouse Monoclonal Antibody [Clone ID: CC52]

### Product data:

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| **Product Type:** | Primary Antibodies |
| **Clone Name:** | CC52 |
| **Applications:** | ELISA, IHC, IP, WB |
| **Recommended Dilution:** | **ELISA.**<br>**Western blotting.**<br>**Flow Cytometry.**<br>**Immunoprecipitation.**<br>**Immunohistochemistry on Frozen Sections.**<br>**Immunohistochemistry on Formalin-Fixed, Paraffin-Embedded Tissue:** There is some cross reactivity with intestinal epithelial tissue and bile ducts. Citric acid pretreatment is recommended**.** |
| **Reactivity:** | Rat |
| **Host:** | Mouse |
| **Isotype:** | IgG1 |
| **Clonality:** | Monoclonal |
| **Immunogen:** | Immunization of mice with Rat colon adenocarcinoma cells (CC531). |
| **Specificity:** | *CC52* is a Rat strain-independent marker for tumour cells of epithelial origin, such as colon, breast, or lung cancer, etc. When injected in colon tumour-bearing rats, *CC52* localized to tumour cells (Hagenaars et al., **2001**).<br>*CC52* has been used in many studies in a rat model of colorectal cancer (Hagenaars et al., **2000**).<br>This Monoclonal antibody clone *CC52* belongs to a first generation of such antibodies and is suitable to detect tumour cells by Immunohistochemistry.<br>It binds to a dimer of two proteins, 120 kD and 130 kD, expressed by Rat tumour cells of epithelial origin.<br>The antigens detected by *CC52* are also expressed by IL-2-activated cultured NK cells and T cells and by bone marrow cells. |
| **Formulation:** | State: Purified<br>State: Liquid purified Ig fraction<br>Preservative: 0.05% Sodium Azide |

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| **Conjugation:** | Unconjugated |
| **Storage:** | Store undiluted at 2-8°C for Two months or (in aliquots) at -20°C for longer.<br>Avoid repeated freezing and thawing. |
| **Stability:** | Shelf life: one year from despatch. |
| **Background:** | Common epithelial tumors begin in the surface epithelium of the ovaries and account for about 90% of all ovarian cancers. They are divided into a number of subtypes - including serous, endometrioid, mucinous, and clear cell tumors - that can be further classified as benign (noncancerous) or malignant (cancerous) tumors. |
| **Synonyms:** | Rat Tumor Marker |