



## Mouse Anti-CA 50 Monoclonal Antibody Datasheet

**Product Name:** mAb anti-CA 50

**Clone No.:** 93

**Catalogue No.:** MO-T40014A

**Quantity:** 0.5 mg/vial

**Description:** Mouse monoclonal antibody to cancer antigen 50 (CA50)

**Purification:** Protein G affinity purified

**Product Type:** Primary antibody

**Target Protein:** Purified human CA 50

**Immunogen:** Human CA 50 protein

**Fusion Myeloma:** Sp2/0-Ag14

**Specificity:** React with human CA 50

**Reactivity:** Human, others not tested

**Species Reactivity:** Not available

**Host / Isotype:** Mouse, IgG3 Kappa

**Formulation:** Lyophilized from a solution in 0.01M PBS, pH 7.2

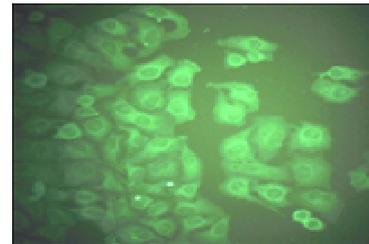
**Reconstitution:** Double distilled water is recommended to reconstitute the antibody.

**Storage:** Store at -20°C

**Research Area:** Oncology

**Background:** Cancer antigen 50 (CA50), a carcinoma associated carbohydrate antigen, has been found to be elevated in the blood of patients with colorectal cancer and other malignancies. CA50 has been evaluated in various studies for use as a tumor marker for cancer diagnosis. Results showed that CA50 was marginally useful for the diagnosis and very useful for the follow-up study of patients with pancreatic cancer.

**Applications:** 1. **Immuno-fluorescence staining**



Staining of methanol-fixed HeLa cells by Immunocytochemistry. Mouse anti-CA 50 mAb clone 93 was used at 10µg/mL.

**2. ELISA:** The antibody, when used at 0.2ng/mL or higher concentration, can react with 1µg/mL CA50 coated ELISA plate wells.

**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.

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

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