



Mouse Anti-CA 125 Monoclonal Antibody Datasheet

Product Name: mAb anti-CA 125

Clone No.: 15

Catalogue No.: MO-T40012D

Quantity: 0.5 mg/vial

Description: Mouse monoclonal antibody to human cancer antigen 125 (CA125)

Purification: Protein G affinity purified

Product Type: Primary antibody

Target Protein: Human CA 125

Immunogen: Human CA 125 protein

Fusion Myeloma: Sp2/0-Ag14

Specificity: React with human CA 125

Reactivity: Human, others not tested

Species Reactivity: Not available

Host / Isotype: Mouse, IgG2a Kappa

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

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

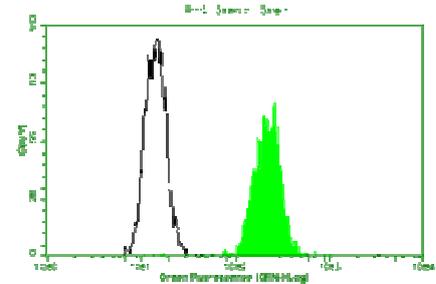
Storage: Store at -20°C

Research Area: Oncology

Background: Cancer antigen 125 (CA125), also called mucin16, is a heterogeneous mixture of glycoproteins with a molecular weight range of 200-1000 kDa. Its C-end is attached to cell membrane. The extra-cellular region of the molecule can be released from cell surface by proteolytic

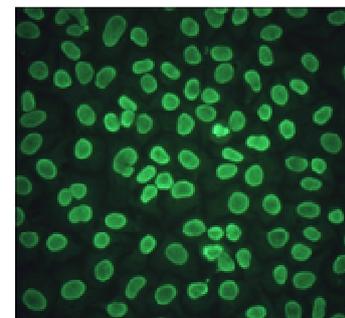
cleavage. CA125 was found to be elevated in the blood of patients with advanced ovarian cancer. It is very useful for monitoring the effects of ovarian cancer therapy and is used for predicting the outcome of the patients after treatment.

Applications: 1. Fluorescence flow cytometry



Above is the histogram of HeLa cells stained with 10µg/mL anti-CA 125 mAb clone 15 and fluorescence-labelled secondary antibody. Black line represents the histogram of HeLa cells stained with control antibody, mouse anti-TB 38Kd antigen mAb clone B12F8 (MO-I40021D).

2. Immunofluorescence



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Staining of methanol-fixed Hela cells by Immuno-fluorescence: Anti-CA 125 mAb clone 15 was used at 10µg/mL.

3. ELISA: This antibody, when used at 0.5ng/mL or higher concentrations, can recognize ELISA plate wells coated with CA125 at 5 international unit per well.

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.

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