



## ANOGENT - A Division of YES Biotech Laboratories Ltd.

2355 Derry Road East, Unit 23, Mississauga, ON, Canada L5S 1V6 • Tel: (905) 677-9221 • Fax: (905) 677-0023

### Mouse Anti-CA 125 Monoclonal Antibody Datasheet

**Product Name:** mAb anti-CA 125

**Clone No.:** 7

**Catalogue No.:** MO-T40012E

**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

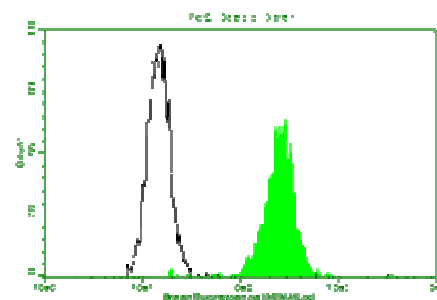
**Research Area:** Oncology

**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.

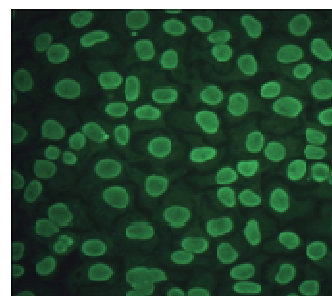
#### Applications:

##### 1. Fluorescence flow cytometry



Above is the histogram of HeLa cells stained with 10µg/mL anti-CA 125 mAb clone 7 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



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

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Staining of methanol-fixed Hela cells by  
Immuno-fluorescence: Anti-CA 125 mAb  
clone 7 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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