



Monoclonal Antibody to **CA-125 (Ovarian Cancer Antigen)**

Technical Data Sheet

Reagent Category

Monoclonal primary antibody to CA-125

PRODUCT# IMI12161E (Ready-To-Use)

PRODUCT# IMI12152E (Concentrate)

Antibody Formats Supplied

5 ml of CA-125 antibody, Ready-To-Use

0.2 ml of CA-125 antibody, Concentrate

SOURCE: Mouse

IMMUNOGLOBULIN ISOTYPE: IgG1

CLONE: Ov185:1

REACTIVITY

This anti CA-125 antibody reacts with ovarian epithelial tissues in ovarian malignancies. This antibody recognizes a repetitive protein present in the core of CA-125 protein. This antibody has shown to display greater than 75% positivity with ovarian, endometrium, and endocervix tumors. Milder positivity of 30-75% has been shown in pancreas and bile duct tumors. Other tumors such as breast, lung, colon, stomach, thyroid, and prostate display rare to very low positivity (10-30%). No positive immunostaining has been demonstrated in renal cell carcinomas. This antibody is suitable for staining routinely fixed, paraffin embedded and frozen histological sections.

POSITIVE CONTROL TISSUE: Ovarian adenocarcinomas

STAINING PATTERN: Membrane staining

PRODUCT FORMATS, DILUTIONS and INCUBATIONS

This affinity purified Monoclonal anti CA-125 antibody is provided in phosphate buffered saline pH 7.2 containing bovine serum albumin (BSA) and 0.05% sodium azide.

5 ml pre-diluted, Ready-to-Use, (do not dilute). Incubate for 10-30 minutes for paraffin sections.

0.2 ml Concentrate; For 30 minute incubation, dilute 1:50 to 1:80; The provided dilution range are mere guidelines, the incubation time and the working titer must be determined by the end user for the tissue and the secondary staining reagents employed.

The above dilutions and incubation times were derived by the use of Innovex STAT-Q and HISTO-STAT staining systems . For less sensitive staining systems these dilution factors may vary and they should be determined by the end user for specific staining system and staining procedure employed.

CONTINUED OVER



SPECIAL USAGE GUIDANCE

No pre-treatment or high heat antigen recovery is required when staining this antibody with Innovex staining systems and Innovex signal-Enhancing Wash buffer. The use of Innovex signal-Enhancing Wash Buffers (Item#: IMI00396E for Immuno-Peroxidase staining and Item#: IMI00596E for Immuno-Alkaline-phosphatase) in place of PBS or Tris buffer for the rinsing steps in between the incubation steps greatly enhances staining signals for antigenically weak tissues or for overfixed tissues. Its use further eliminates the need for enzyme Pre- digestion, heat application (retrieval procedure), long incubation of primaries and repetitive procedures.

APPLICATIONS

This antibody is intended for use in immunolocalization of CA-125 proteins by a variety of immunoassays such as Immunochemistry, ELISA, Immunoblotting and dot blotting. In immunochemistry, this antibody can be used in staining routinely fixed paraffin embedded and frozen histological sections of human tissues for the purpose of qualitative or localization of CA-125 proteins. This antibody can also be used for quantitative flow cytometric assays in the indirect method.

SPECIES REACTIVITY

This antibody reactivity with human tissue has been substantiated. Other species reactivity may be characterized by the end user.

STORAGE CONDITIONS

Store in refrigerator at 2-8°C through expiration date noted on the vial.

IMPORTANT NOTE:

The interpretation of test results is the sole responsibility of the end user.

FOR IN VITRO RESEARCH USE ONLY