

## Product datasheet for **AM32272SU-N**

### Mucin-16 / CA125 Mouse Monoclonal Antibody [Clone ID: OC125]

#### Product data:

Product Type: Primary Antibodies

Clone Name: OC125

Applications: IHC

Recommended Dilution: **Immunohistochemistry on Frozen Sections.**  
**Immunohistochemistry on Paraffin Sections.**

*Positive Control:* Epithelioid Mesothelioma, Ovarian Carcinoma.

Staining pattern: Cytoplasmic, Membranous.

Preparation and Pretreatment

1. Cut 3-4  $\mu$ m section of formalin-fixed paraffin-embedded tissue and place on positively charged slides; dry overnight at 58°C.

2. Deparaffinize, rehydrate, and epitope retrieve; the preferred method is the use of Heat Induced Epitope Retrieval (HIER) techniques in conjunction with a pressure cooker. The preferred method allows for simultaneous deparaffinization, rehydration, and epitope retrieval. Upon completion, rinse with 5 changes of distilled or deionized water.

3. If using HRP detection system, place slides in peroxide block for 10 minutes; rinse. If using AP detection system, omit this step.

Reactivity: Human

Host: Mouse

Isotype: IgG1

Clonality: Monoclonal

**Specificity:** This CA125 antibody clone OC125 reacts with epithelioid malignancies of the ovary, papillary serous carcinoma of the cervix, adenocarcinoma of the endometrium, clear cell adenocarcinoma of the bladder, and epithelioid mesothelioma. The antigen is formalin resistant, permitting the detection of ovarian cancer by immunohistochemistry, although serum assays for this protein are widely used to monitor ovarian cancer. This antibody also reacts with antigens in seminal vesicle carcinoma.

**Formulation:** PBS, pH 7.4  
State: Supernatant  
State: Liquid Tissue Culture Supernatant  
Stabilizer: 0.9% BSA  
Preservative: 0.09% Sodium Azide



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Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	mucin 16, cell surface associated
Database Link:	<a href="#">Entrez Gene 94025 Human Q8WXI7</a>
Background:	CA125/MUC16 antigen is a serum marker that is used routinely in gynecologic practice to monitor patients with ovarian cancer. It is a mullerian duct differentiation antigen that is overexpressed in epithelial ovarian cancer cells and secreted into the blood, although its expression is not entirely confined to ovarian cancer. Most biochemical studies have concluded that CA125/MUC16 is a high molecular mass glycoprotein, although estimates of its size range from 200 to 2000 kDa.
Synonyms:	MUC16, MUC-16, CA-125, CA 125