MUC16 / CA125 (Ovarian Carcinoma Marker) Antibody

Mouse Monoclonal Antibody [Clone CA125/8893]

Catalog No	Format	Size
94025-MSM9-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
94025-MSM9-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
94025-MSM9-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

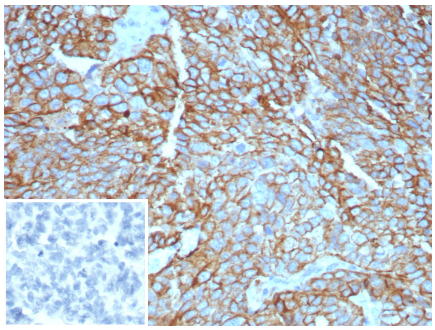
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes

Product Details

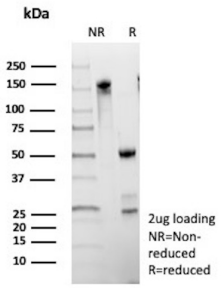
Clone	CA125/8893
Gene Name	MUC16
Immunogen	Recombinant fragment (around aa1700-2000) of human MUC16 protein (exact sequence is proprietary)
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG2b / Kappa
Mol. Weight of Antigen	>2000kDa
Cellular Localization	Cell membrane, Extracellular space, Secreted
Species Reactivity	Human
Positive Control	MDA-MB-468 cells. Ovarian Cancer.

**Optimal dilution for a specific application should be determined.*

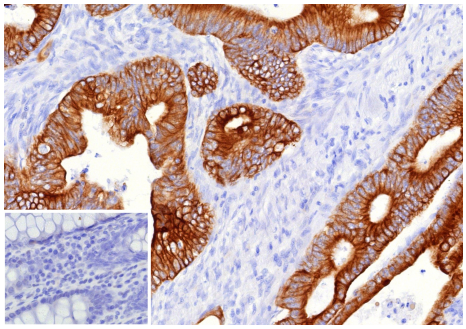
Product Images for MUC16 / CA125 (Ovarian Carcinoma Marker) Antibody



Formalin-fixed, paraffin-embedded human ovarian carcinoma stained with MUC16 Mouse Monoclonal Antibody (CA125/8893). Inset: PBS instead of primary antibody; secondary only negative control.



SDS-PAGE Analysis of Purified MUC16 Mouse Monoclonal Antibody (CA125/8893). Confirmation of Purity and Integrity of Antibody.



Formalin-fixed, paraffin-embedded human colon carcinoma stained with MUC16 Mouse Monoclonal Antibody (CA125/8893). Inset: PBS instead of primary antibody; secondary only negative control.

Specificity & Comments

The mucins are a family of highly glycosylated, secreted proteins with a basic structure consisting of a variable number of tandem repeats (VNTRs). Membrane-associated and secretory Mucins are high molecular weight glycoproteins of the glycocalyx (polysaccharide biofilm) that protects mucosal epithelium from particulate matter and microorganisms. Epithelial Mucins are large, secreted and cell surface glycoproteins crucial for adhesion modulation, signaling and epithelial cell protection. The number of repeats is highly polymorphic and varies among different alleles. The Mucin family consists of Mucins 1-4, Mucin 5 (AC and B), Mucins 6-8, Mucins 11-13 and Mucins 15-17. The Mucin 16 protein (also commonly referred to as CA125), encoded for by the gene MUC16, is a very high molecular weight tumor antigen consisting of three domains: a carboxy terminal domain, an extracellular domain and an amino terminal domain. Mucin 16, an ovarian cancer-associated antigen, is used as a marker to monitor the progress of epithelial ovarian cancer. It is a hydrophilic membrane-associated protein that may be involved in vitamin A functions.

Supplied As

200ug/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Research Areas

Immunology, Infectious Disease

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.