

Mouse MUC16/CA125 Monoclonal Antibody | anti-MUC16 antibody

MUC16/CA125 (Ovarian Carcinoma Marker)

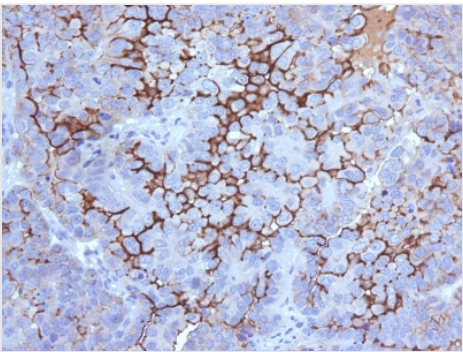
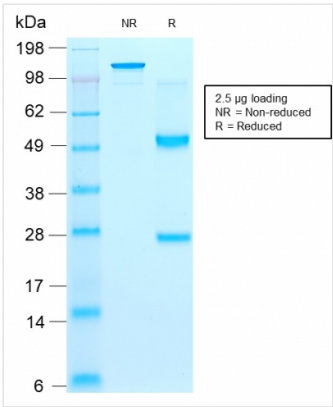
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA214589	Mouse	Human. Others not known.	Immunohistochemistry

PRODUCT SYNONYMS

MUC16/CA125; Monoclonal Antibody; MUC16/CA125 (Ovarian Carcinoma Marker); CA125; Cancer antigen 125; MUC16; Mucin16; Ovarian cancer-related tumor marker CA125; Ovarian carcinoma antigen CA125; anti-MUC16 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human. Others not known.
Clonality	Monoclonal
Isotype	IgG1, kappa
Clone Number	500000000000
Specificity	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.
Form/Format	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.
Sequence Length	14507
Applicable Applications for anti-MUC16 antibody	IHC (Immunohistochemistry)
Immunogen	Enzymatically glycosylated fragment of human MUC16 recombinant protein
Cellular Localization	Cell Surface and Secreted
Hu-chromosome Location	19p13.2
Positive Control	MDA-MB-468 cells. Ovarian Cancer
Preparation and Storage	Antibody with azide - store at 2 to 8 degree C. Antibody without azide - store at -20 to -80 degree C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.



IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded human Ovarian Carcinoma stained with MUC16 Mouse Monoclonal Antibody (5E11). Courtesy of Dr. Leonor David, IPATIMUP and Medical Faculty University of Porto, Portugal.

SDS-PAGE
SDS-PAGE Analysis Purified CD44v9 Mouse Recombinant Monoclonal Antibody (rCD44v9/1459).

ADDITIONAL INFORMATION

References	Lara Marcos-Silva, Sara Ricardo, Kowa Chen, Ola Blixt, Emma Arigi, Daniela Pereira, Estrid H,gdall, Ulla Mandel, Eric P. Bennett, Sergey Y. Vakhrushev, Leonor David, Henrik Clausen. A novel monoclonal antibody to a defined peptide epitope in MUC16. Glycobiology (2015) 25 (11): 1172-1182.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	83367077
NCBI GeneID	94025
NCBI Accession #	NP_078966.2
NCBI GenBank Nucleotide #	NM_024690.2
UniProt Accession #	Q8WXI7; Q6ZQW5; Q96RK2; B5ME49
Molecular Weight	>2,000kDa
NCBI Official Full Name	mucin-16
NCBI Official Synonym Full Names	mucin 16, cell surface associated
NCBI Official Symbol	MUC16
NCBI Official Synonym Symbols	CA125
NCBI Protein Information	mucin-16
UniProt Protein Name	Mucin-16
UniProt Gene Name	MUC16
UniProt Synonym Gene Names	CA-125

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.