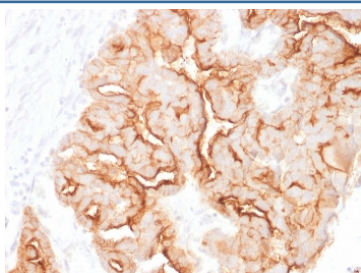


MUC16 Antibody / CA125 [clone MUC16/1860] (V8230)

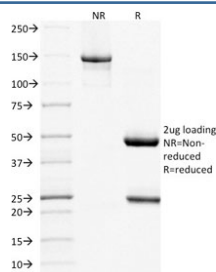
Catalog No.	Formulation	Size
V8230-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V8230-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V8230SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	MUC16/1860
Purity	Protein G affinity chromatography
UniProt	Q8WXI7
Localization	Cell surface, secreted
Applications	Immunohistochemistry (FFPE) : 1-2ug/ml
Limitations	This Mucin 16 antibody is available for research use only.



IHC staining of FFPE human ovarian carcinoma with MUC16 antibody. HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



SDS-PAGE analysis of purified, BSA-free MUC16 antibody as confirmation of integrity and purity.

Description

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.

Application Notes

Optimal dilution of the Mucin 16 antibody should be determined by the researcher.

Immunogen

Full length native MUC16 protein purified from human ovarian carcinoma was used as the immunogen for this MUC16 antibody.

Storage

Store the Mucin 16 antibody at 2-8°C (with azide) or aliquot and store at -20°C or colder (without azide).