

MUC16 Rabbit mAb

Catalog No: #49089

Package Size: #49089-1 50ul #49089-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

Description

Product Name	MUC16 Rabbit mAb
Clone No.	SN0715
Purification	ProA affinity purified
Applications	WB, ICC/IF, FC
Species Reactivity	Hu
Immunogen Description	recombinant protein
Other Names	CA 125 antibody CA-125 antibody CA125 antibody CA125 ovarian cancer antigen antibody Cancer antigen 125 antibody FLJ14303 antibody MUC 16 antibody MUC-16 antibody MUC16 antibody MUC16_HUMAN antibody Mucin 16 antibody Mucin 16 cell surface associated antibody Mucin-16 antibody Mucin16 antibody Ovarian cancer related tumor marker CA125 antibody Ovarian cancer-related tumor marker CA125 antibody Ovarian carcinoma antigen CA125 antibody
Accession No.	Swiss-Prot#:Q8WXI7
Uniprot	Q8WXI7
GeneID	94025;
Calculated MW	2353 kDa
Concentration	0.333mg/ml
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

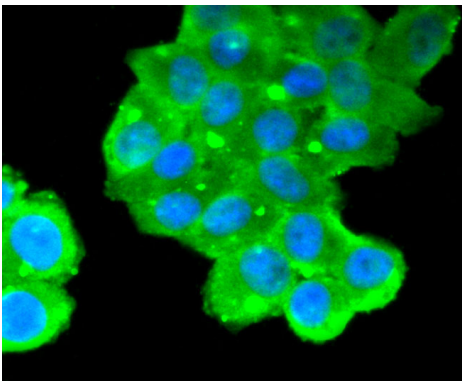
Application Details

WB: 1:1,000

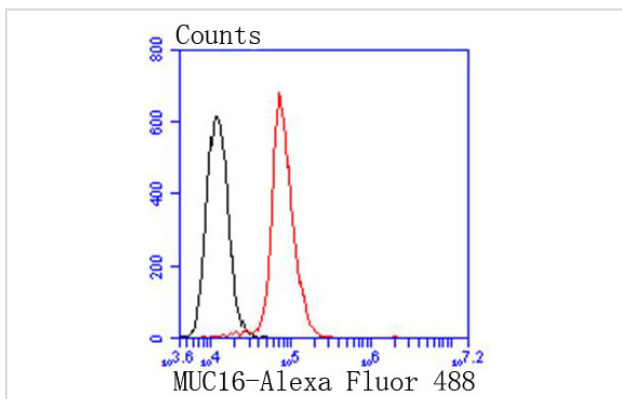
ICC: 1:100-1:500

FC: 1:50-1:100

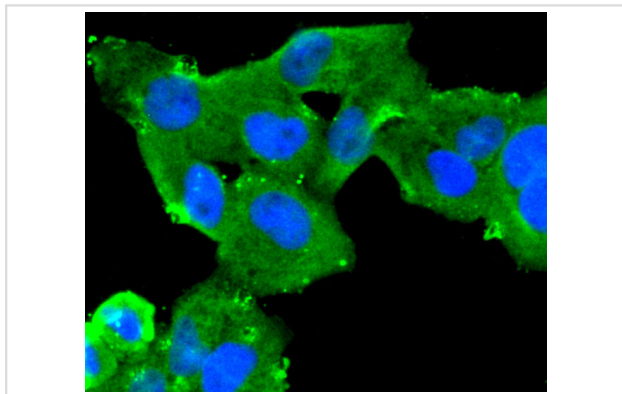
Images



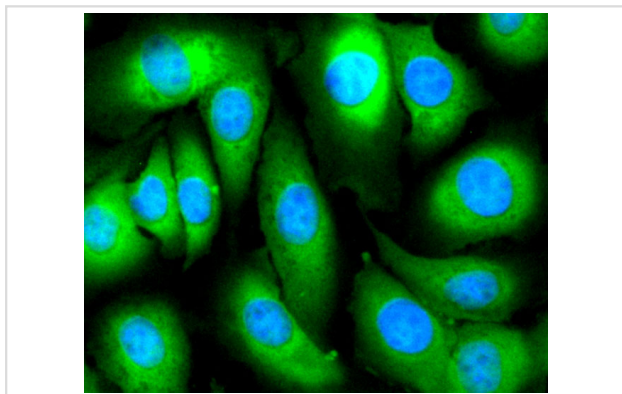
ICC staining MUC16 in HeLa cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



Flow cytometric analysis of Hela cells with MUC16 antibody at 1/50 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black). Alexa Fluor 488-conjugated goat anti rabbit IgG was used as the secondary antibody



ICC staining MUC16 in HepG2 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining MUC16 in SKOV-3 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.

Background

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.

Note: This product is for in vitro research use only