MUC1 / CA15-3 / EMA / CD227 (Epithelial Marker) Antibody

Mouse Monoclonal Antibody [Clone MUC1/967]

Catalog No	Format	Size
4582-MSM17-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
4582-MSM17-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
4582-MSM17-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

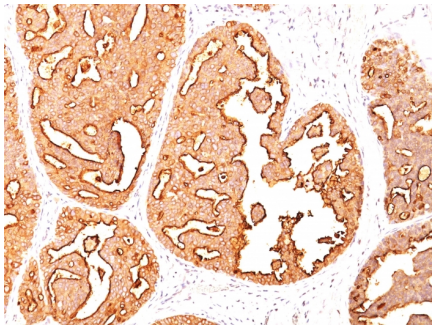
Applications	Tested Dillution	Note
Flow Cytometry (Flow)	1-2ug/million cells	
Immunofluorescence (IF)	1-3ug/ml	
Western Blot (WB)	2-4ug/ml	

Product Details

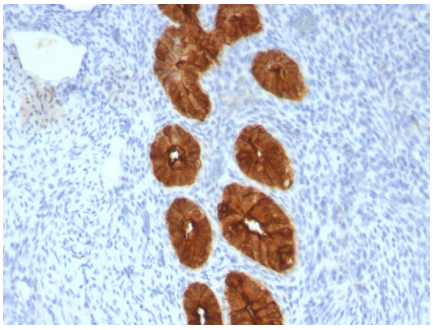
Clone	MUC1/967
Gene Name	MUC1
Immunogen	Human milk-fat globule membranes (HMFGM)
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG1 / Kappa
Mol. Weight of Antigen	265-400kDa
Cellular Localization	Apical cell membrane, Cell membrane, Cytoplasm, Nucleus, Secreted
Species Reactivity	Human
Positive Control	Colon, endometrial carcinoma., MCF-7 or MDA-231 cells. Breast, Ovarian, Kidney, Lung

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

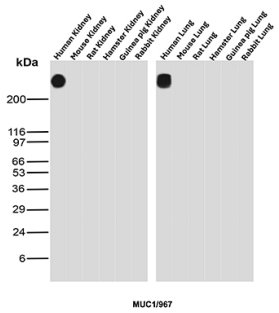
Product Images for MUC1 / CA15-3 / EMA / CD227 (Epithelial Marker) Antibody



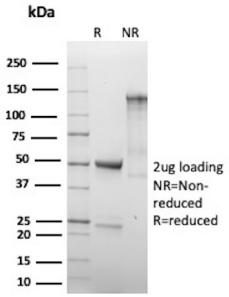
Formalin-fixed, paraffin-embedded human Breast Carcinoma stained with MUC-1 / CA15-3 / EMA Mouse Monoclonal Antibody (MUC1/967).



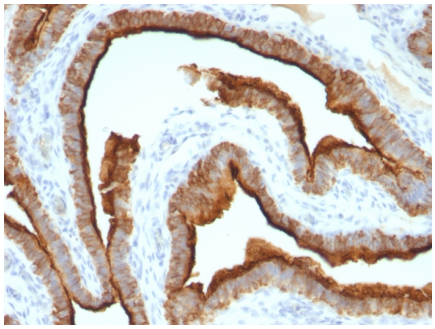
Formalin-fixed, paraffin-embedded human Endometrial Carcinoma stained with MUC-1 / CA15-3 / EMA Mouse Monoclonal Antibody (MUC1/967).



Western Blot Analysis of Human Kidney, Mouse Kidney, Rat Kidney, Hamster Kidney, Guinea pig Kidney, Rabbit Kidney, Human Lung, Mouse Lung, Rat Lung, Hamster Lung, Guinea pig Lung and Rabbit Lung tissue lysates using MUC-1 / CA15-3 / EMA Mouse Monoclonal Antibody (MUC1/967).



SDS-PAGE Analysis of Purified Mucin-1 Mouse Monoclonal Antibody (MUC1/967). Confirmation of Purity and Integrity of Antibody.



Formalin-fixed, paraffin-embedded human Ovarian Carcinoma stained with MUC-1 / CA15-3 / EMA Mouse Monoclonal Antibody (MUC1/967).

Specificity & Comments

This MAb recognizes full-length MUC1 in a glycosylation-independent manner and can bind to the fully glycosylated protein.The dominant epitope of this MAb is APDTR in the VNTR region. It reacts with the core peptide of the MUC1 protein, which is a member of a family of mucin glycoproteins that are characterized by high carbohydrate content, O-linked oligosaccharides, high molecular weight (>200kDa) and an amino acid composition rich in serine, threonine, proline and glycine. The core protein contains a domain of 20 amino-acid tandem repeats that functions as multiple epitopes for the MAb. Incomplete glycosylation of some tumor-associated mucins may lead to variable unmasking of the multiple peptide epitopes leading to the observed differences in staining intensity between normal and malignant tissues. This MAb reacts with both normal and malignant epithelia of various tissues including breast and colon.

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

Cytokine Signaling, 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.

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