Anti-MUC1 Antibody [MUC1/967] (A249398)

Specifications:

Name:	Anti-MUC1 Antibody [MUC1/967]
Description:	Mouse monoclonal [MUC1/967] antibody to MUC1.
Specificity:	This antibody recognizes full-length MUC1 in a glycosylation-independent manner and can bind to the fully glycosylated protein.The dominant epitope of This antibody 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 antibody reacts with both normal and malignant epithelia of various tissues including breast and colon.
Applications:	WB, Flow Cytometry, IF, IHC
Recommended Dilutions:	WB: 1-2 µg/ml, Flow Cytometry: 0.5-1 µg/million cells, IF: 1-2 µg/ml, IHC-P: 0.25-0.5 µg/ml
Reactivity:	Human
Immunogen:	Human milk fat globule membranes.
Host:	Mouse
Clonality:	Monoclonal
Clone ID:	MUC1/967
Isotype:	IgG1
Light Chains:	kappa
Conjugate:	Unconjugated
Purification:	Protein A/G chromatography.
Concentration:	200 µg/ml
Product Form:	Liquid
Formulation:	Supplied in 10mM Phosphate Buffered Saline with 0.05% BSA and 0.05% Sodium Azide.
Storage:	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.

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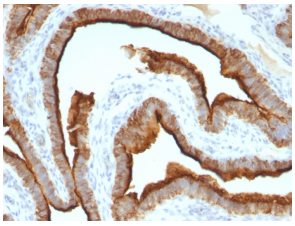
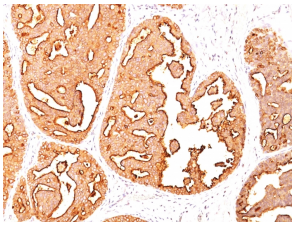
Specifications continued:

General Notes:	This monoclonal antibody is also available in a different formulation without BSA and Sodium Azide - Anti-MUC1 Antibody [MUC1/967] - BSA and Azide free (A252578).
Disclaimer:	This product is for research use only. It is not intended for diagnostic or therapeutic use.

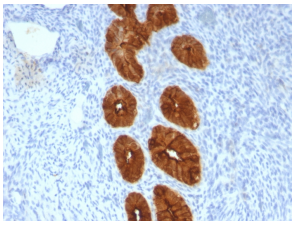
Images:



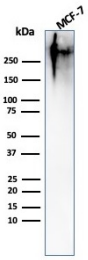
Immunohistochemical analysis of formalin-fixed, paraffin-embedded human ovarian carcinoma using Anti-MUC1 Antibody [MUC1/967].



Immunohistochemical analysis of formalin-fixed, paraffin-embedded human breast carcinoma using Anti-MUC1 Antibody [MUC1/967].



Immunohistochemical analysis of formalin-fixed, paraffin-embedded human endometrial carcinoma using Anti-MUC1 Antibody [MUC1/967].



Western blot analysis of human MCF-7 cell lysate using Anti-MUC1 Antibody [MUC1/967].