

Mouse MUC1/CA15-3/EMA/CD227 Monoclonal Antibody | anti-MUC1 antibody

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

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA214455	Mouse	Human. Others not known.	Immunohistochemistry, Immunofluorescence, Flow Cytometry, Functional Assay

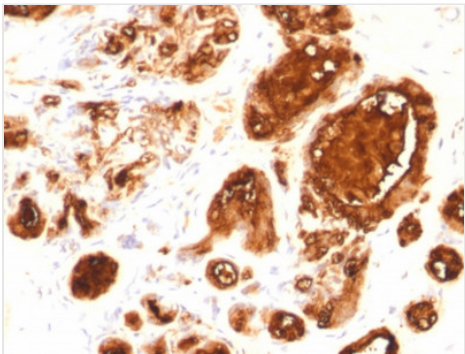
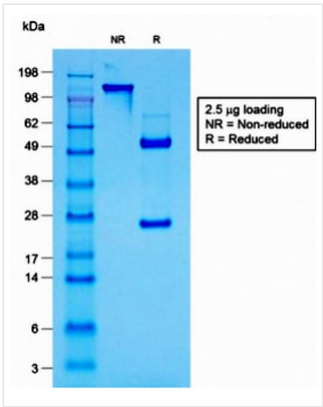
PRODUCT SYNONYMS

MUC1/CA15-3/EMA/CD227; Monoclonal Antibody; MUC1/CA15-3/EMA/CD227 (Epithelial Marker); Breast carcinoma-associated antigen DF3; CA15-3; Carcinoma-associated mucin Episialin; Epithelial Membrane Antigen; H23AG; KL-6; MAM6; MUC-1; MUC-1/SEC; MUC-1/X; MUC1-alpha; MUC1-beta; MUC1-CT; MUC1-NT; MUC1/ZD; Mucin 1 cell surface associated; Mucin-1 subunit beta; Peanut-reactive urinary mucin; PEM; PEMT; Polymorphic epithelial mucin; PUM; Tumor-associated epithelial membrane antigen; anti-MUC1 antibody

PRODUCT SPECIFICATIONS

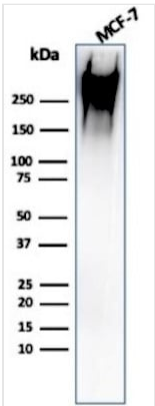
Host	Mouse
Reactivity	Human. Others not known.
Clonality	Monoclonal
Isotype	IgG2b, kappa
Clone Number	rMUC1/960
Specificity	This MAb reacts with MUC1, a large transmembrane glycoprotein expressed on the ductal surface of normal glandular epithelia. The dominant epitope of this MAb involves both amino acids as well as sugar moieties. Neuraminidase treatment destroys the antigen. It is a very good tracer agent in CA15.3 assays. The extracellular domain of MUC1 largely consists of a highly conserved, O-glycosylated 20 amino acids tandem repeat which can occur 30-100 times per molecule depending on the length of the allele involved. In the vast majority of human carcinomas this protein is up-regulated and poorly glycosylated and appears on the cell surface in a non-polarized fashion.
Form/Format	1.0mg/ml of recombinant MAb purified by Protein A/G. Prepared in 10mM PBS.
Sequence Length	264
Applicable Applications for anti-MUC1 antibody	IHC (Immunohistochemistry), IF (Immunofluorescence), FCM/FACS (Flow Cytometry)
Immunogen	Human milk-fat globule membranes (HMFGM)
Cellular Localization	Cytoplasmic and Cell Surface
Hu-chromosome Location	1q22
Positive Control	MCF-7 or MDA-231 cells. Human breast, colon, ovarian, endometrial carcinoma.
Preparation and Storage	Antibody without azide - store at -20 to -80 degree C. Non-hazardous. No MSDS required.

IMAGES



IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded human breast carcinoma stained with MUC1 Mouse Recombinant Monoclonal Antibody (rMUC1/960).

SDS-PAGE
SDS-PAGE Analysis Purified MUC1 Mouse Recombinant Monoclonal Antibody (rMUC1/960).
Confirmation of Purity and Integrity of Antibody.



WB (Western Blot)
Western Blot Analysis of human MCF-7 cell lysate using MUC1 Mouse Recombinant Monoclonal Antibody (rMUC1/960).

ADDITIONAL INFORMATION

References	Stanley CM, Phillips TE. Am J Physiol. 1999; 277:G191-200.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	67189007
NCBI GeneID	4582
NCBI Accession #	NP_001018016.1
NCBI GenBank Nucleotide #	NM_001018016.2
UniProt Accession #	P15941; P13931; P15942; P17626; A5YRV1; A6ZID9; A6ZIE0; B1AVQ8; B1AVR0; B6ECA1; E7ESE5; E7EUG9
Molecular Weight	265-400kDa
NCBI Official Full Name	mucin-1 isoform 2
NCBI Official Synonym Full Names	mucin 1, cell surface associated
NCBI Official Symbol	MUC1
NCBI Official Synonym Symbols	EMA; MCD; PEM; PUM; KL-6; MAM6; MCKD; PEMT; CD227; H23AG; MCKD1; MUC-1; ADMCKD; ADMCKD1; CA 15-3; MUC-1/X; MUC1/ZD; MUC-1/SEC

NCBI Protein Information	mucin-1
UniProt Protein Name	Mucin-1
UniProt Gene Name	MUC1
UniProt Synonym Gene Names	PUM; MUC-1; CA 15-3; KL-6; PUM; PEM; EMA; MUC1-NT; MUC1-alpha; MUC1-beta

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.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/muc1-ca15-3-ema-cd227-antibody-clone-rmuc1-960-immunohistochemistry-immunofluorescence-flow-cytometry-elisa/214455>