

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

MUC1/CA15-3/EMA/CD227 (Epithelial Marker) Mouse Monoclonal Antibody [Clone Mc5]

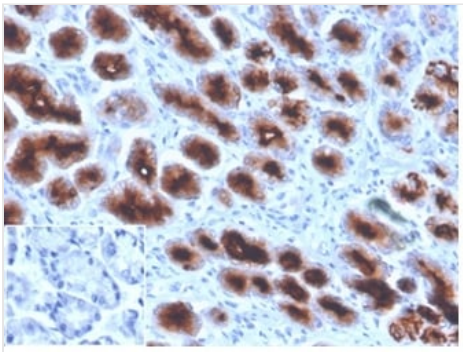
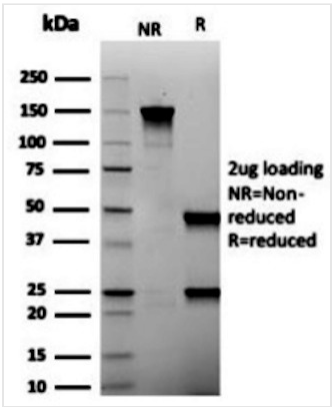
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA215819	Mouse	Human	Immunohistochemistry, Western Blot, Immunofluorescence, Flow Cytometry, Functional Assay

PRODUCT SYNONYMS

MUC1/CA15-3/EMA/CD227; Monoclonal Antibody; MUC1/CA15-3/EMA/CD227 (Epithelial Marker) Mouse Monoclonal Antibody [Clone Mc5]; MUC1/CA15-3/EMA/CD227 (Epithelial Marker); Breast carcinoma-associated antigen DF3; CA15-3; Carcinoma-associated mucin Episialin; H23AG; KL-6; MAM6; MUC-1; MUC-1/SEC; MUC-1/X; MUC1-alpha; MUC1-beta; MUC1-CT; MUC1-NT; MUC1/ZD; 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
Clonality	Monoclonal
Isotype	IgG1, kappa
Clone Number	Mc5
Specificity	The mucin antigen recognized by Mc-5 is a glycosylated molecule with a molecular mass of 400 kD. The sequence to which this antibody binds is Thr-Arg-Pro-Ala-Pro. Although EMA is primarily located in mammary gland epithelium, other normal epithelia (e. g. , lung) will also react against EMA antibody. Staining, however, is the strongest in mammary epithelia. The combination of positive staining for keratin with negative EMA can be used to phenotype the above-mentioned epithelial tumors. Recognizes the mucin antigen that is present in most epithelial tissues (breast, colonic, bronchial, gastric, etc.) This antibody does not recognize myelopoietic, lymphopoietic, fibroblasts or sarcomatous cells.
Form/Format	200ug/ml of recombinant MAb purified by Protein A/G. Prepared in 10mM PBS with 0. 05% BSA & 0. 05% azide.
Applicable Applications for anti-MUC1 antibody	IHC (Immunohistochemistry), WB (Western Blot), IF (Immunofluorescence), FCM/FACS (Flow Cytometry)
Immunogen	Delipidated human milk fat globules
Cellular Localization	Cell surface, Cytoplasm
Positive Control	Human breast carcinoma or normal breast.
Hu-chromosome Location	1q22
Unigene	89603
Preparation and Storage	Antibody with azide: store at 2 to 8 degree C Non-hazardous. No MSDS required.



IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded human stomach stained with MUC1 Mouse Recombinant Monoclonal Antibody (Mc5). Inset: PBS instead of primary antibody, secondary negative control.

SDS-PAGE
SDS-PAGE Analysis Purified MUC1 Mouse Recombinant Monoclonal Antibody (Mc5).
Confirmation of Integrity and Purity of Antibody.

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; Q0VAP6; Q14128; Q14876; Q16437; Q16442; Q16615; B1AVQ8; B1AVR0
Molecular Weight	400 kDa
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; PEM; PUM; KL-6; MAM6; PEMT; CD227; H23AG; MUC-1; CA 15-3; MUC-1/X; MUC1/ZD; MUC-1/SEC
NCBI Protein Information	mucin-1; episialin; DF3 antigen; H23 antigen; cancer antigen 15-3; krebs von den Lungen-6; mucin 1, transmembrane; tumor-associated mucin; carcinoma-associated mucin; polymorphic epithelial mucin; peanut-reactive urinary mucin; tumor associated epithelial
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
UniProt Entry Name	MUC1_HUMAN

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.