

Mouse anti-Human Mucin-1 Monoclonal Antibody | anti-MUC1 antibody

Mucin-1 Monoclonal Antibody [VU12E1]

CATALOG # AAA59576	HOST Mouse	REACTIVITY Human	APPLICATIONS Flow Cytometry, Functional Assay, Immunofluorescence, Western Blot
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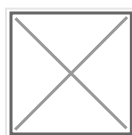
PRODUCT SYNONYMS

Mucin-1; Monoclonal Antibody; Mucin-1 Monoclonal Antibody [VU12E1]; anti-MUC1 antibody

PRODUCT SPECIFICATIONS

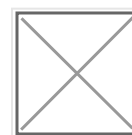
Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1
Clone Number	VU12E1
Purity/Purification	Protein A
Form/Format	Purified antibody in PBS. Does not contain sodium azide or BSA
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-MUC1 antibody	FCM/FACS (Flow Cytometry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	ZR-75-1 breast cancer cells
Target Antigen	MUC-1
Myeloma/Fusion Partners	SP2/0 mouse myeloma cells
Pubmed ID	33883940, 33836774, 31926647, 31069176, 24667139

IMAGES



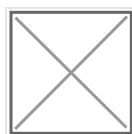
Application Data

Mucin-1 Monoclonal Antibody [VU12E1]



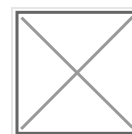
Application Data

0.3ug/ml staining in human lung(A) and (0.1ug/ml) staining in human breast carcinoma(B) tissue lysates (35ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



FCM/FACS (Flow Cytometry)

Blue line: Flow cytometric analysis of MCF7 cells. Primary incubation 1hr (1:100 dilution) followed by Alexa Fluor 488 conjugated goat Anti-mouse IgG (1:1000 dilution). Black line: Anti-Unknown Specificity Isotype control



IF (Immunofluorescence)

Immunofluorescence analysis of paraformaldehyde fixed MCF7 cells. Primary incubation 1hr (1:100 dilution) followed by Alexa Fluor 488 secondary antibody (1:1000 dilution), showing membrane staining. The nuclear stain is DAPI (blue). Negative control: Mouse IgG1 negative control followed by Alexa Fluor 488 secondary 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	122,102 Da
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.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/mucin-1-antibody-clone-vu12e1-flow-cytometry-immunofluorescence-western-blot-elisa/59576>