

Mouse anti-Human Muc1 Monoclonal Antibody | anti-Muc1 antibody

Muc1

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA60483	Mouse	Human	Western Blot, ELISA, Immunohistochemistry

PRODUCT SYNONYMS

Muc1; Monoclonal Antibody; Episialin; anti-Muc1 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1
Clone Number	VU-3C6
Purity/Purification	Protein A/G Chromatography
Form/Format	Form: Unconjugated Formulation: Provided as a solution in phosphate buffered saline with 0.08% sodium azide
Sequence Length	264
Applicable Applications for anti-Muc1 antibody	WB (Western Blot), ELISA, IHC (Immunohistochemistry)
Immunogen	Hybridoma produced by the fusion of splenocytes from BALB/c mice immunized with live human breast cancer cells (cell line ZR-75-1) and mouse myeloma SP2 cells.
Positive Control	MCF-7 and T47D cells
Preparation and Storage	Product should be stored at -20 degree C. Aliquot to avoid freeze/thaw cycles Shipping: Ships at ambient temperature, freeze upon arrival.

ADDITIONAL INFORMATION

Related Product Information for anti-Muc1 antibody	Muc1 is a heavily O-glycosylated transmembrane protein expressed on most secretory epithelium, including mammary gland and some hematopoietic cells. It is expressed abundantly in lactating mammary glands and overexpressed in >90% breast carcinomas and metastases. In normal mammary gland it is expressed in apical surface of glandular epithelium. In breast cancer Muc1 is overexpressed; is underglycosylated and the apical localization is lost. Muc1 is transcribed as a larger precursor which is cleaved to form a larger mucin like subunit (265-400kDa) and a smaller subunit (14-28kDa) noncovalently associated with each other. Transgenic Muc1 has been shown to associate with all four erbB receptors and localize with erbB1 (EGFR) in lactating glands. Muc1 can act as a ligand for ICAM-1 on HUVEC cells; it can bind -catenin, GSK3 and it associates with Grb2-SOS upon phosphorylation.
Product Categories/Family for anti-Muc1 antibody	Monoclonal Antibody ; Growth Factors & Receptors

NCBI AND UNIPROT INFORMATION

NCBI GI #	67189007
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NCBI GeneID	4582
NCBI Accession #	NP_001018016.1
NCBI GenBank Nucleotide #	NM_001018016.2
UniProt Accession #	P15941; P13931; P15942; P17626; Q0VAP5; Q0VAP6; Q14128; Q14876; A6ZID9; B1AVQ8; B1AVR0; E7EUG9
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 mucin; breast carcinoma-associated antigen DF3; tumor-associated epithelial membrane antigen
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/muc1-antibody-clone-vu-3c6-western-blot-immunohistochemistry-elisa/60483>