

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

MUC1

CATALOG # AAA59262	HOST Mouse	REACTIVITY Human
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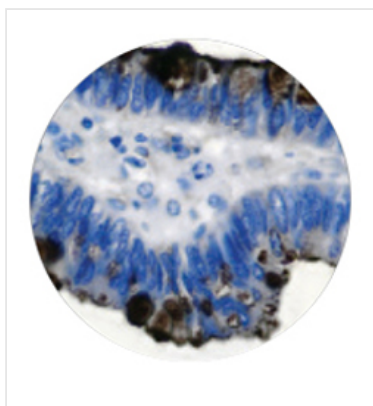
PRODUCT SYNONYMS

MUC1; Monoclonal Antibody; anti-MUC1 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1
Clone Number	MRQ-17
Form/Format	MUC1 is a mouse monoclonal antibody derived from cell culture supernatant that is concentrated, dialyzed, filter sterilized and diluted in buffer pH 7.5, containing BSA and sodium azide as a preservative.
Control	Breast, Colon Adenocarcinoma
Localization	Cytoplasmic, Cell Surface
Reactivity Note	Paraffin, Frozen
Preparation and Storage	Store at 2 to 8 degree C in the dark.

IMAGES



IHC (Immunohistochemistry)

Antibody Type	Dilution	Volume/QTY
Prediluted	Ready-To-Use	3.0 ml
Prediluted	Ready-To-Use	7.0 ml
Prediluted	Ready-To-Use	15.0 ml
Concentrated	1:50-1:200	0.1 ml
Concentrated	1:50-1:200	0.5 ml
Concentrated	1:50-1:200	1.0 ml
Control Slides		5

Dilution Info

ADDITIONAL INFORMATION

Related Product Information for anti-MUC1 antibody	Mucin 1, also known as MUC1, is a human gene. This gene is a member of the mucin family and encodes a membrane-bound, glycosylated phosphoprotein. The protein is anchored to the apical surface of many epithelia by a transmembrane domain, the degree of glycosylation varying with cell type. Mucins are high molecular-weight glycoproteins which constitute the major component of the mucus layer that protects the gastric epithelium from chemical and mechanical aggressions. The MUC1 protein serves a protective function by binding to pathogens and also functions in a cell-signaling capacity. Overexpression, aberrant intracellular localization, and changes in glycosylation of this protein have been associated with carcinomas. Multiple alternatively-spliced transcript variants that encode different isoforms of this gene have been reported, but the full-length nature of only some has been determined. MUC1 is a large cell, surface-mucin glycoprotein expressed by most glandular and ductal epithelial cells and some hematopoietic cell lineages. It is expressed on most secretory epithelium, including mammary gland and some hematopoietic cells. It is expressed in lactating mammary glands and overexpressed in more than 90% Breast Carcinomas and metastases. Transgenic MUC1 has been shown to associate with all four cebB receptors and localize with erbB1 (EGFR) in lactating glands.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	541680
NCBI GeneID	4582
UniProt Accession #	P15941; P13931; P15942; P17626; Q14128; Q14876; Q16437; Q16442; Q16615; Q7Z552; Q9BXA4; Q9UE75; Q14877; Q6S4Y3; Q7Z536; Q7Z537; Q7Z538; Q7Z539; Q7Z540; Q7Z541; Q7Z542
Molecular Weight	122,102 Da
NCBI Official Full Name	MUC1
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; MUC-1/X; MUC1/ZD; MUC-1/SEC
NCBI Protein Information	mucin-1; episialin; DF3 antigen; H23 antigen; OTTHUMP00000033786; OTTHUMP00000033787; OTTHUMP00000033788; OTTHUMP00000033789; OTTHUMP00000033790; OTTHUMP00000033791; OTTHUMP00000033792; OTTHUMP00000033793; OTTHUMP00000033794; OTTHUMP00000033795; 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.