

Mouse anti-Human Episialin, EMA Monoclonal Antibody | anti-MUC1 antibody

Anti-Epsialin, EMA antibody (monoclonal)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA44910	Mouse	Human	Immunohistochemistry, Immunohistochemistry

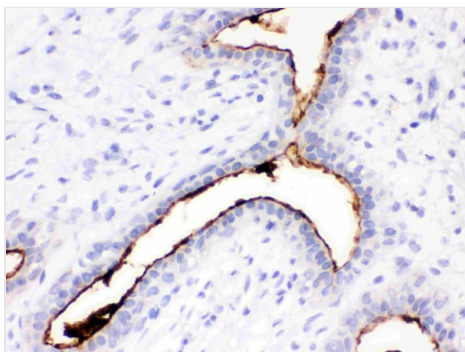
PRODUCT SYNONYMS

Episialin; EMA; Monoclonal Antibody; Anti-Epsialin; EMA antibody (monoclonal); Mucin-1; mucin 1; cell surface associated; CD227; PEM; PEMT; KL-6; PUM; MUCIN 1; URINARY; H23AG; PEANUT-REACTIVE URINARY MUCIN; MUCIN; TUMOR-ASSOCIATED EPITHELIAL; POLYMORPHIC EPITHELIAL MUCIN; EPITHELIAL MEMBRANE ANTIGEN; transmembrane; Breast carcinoma-associated antigen DF3; Carcinoma-associated mucin; Krebs von den Lungen-6; Peanut-reactive urinary mucin; Polymorphic epithelial mucin; Tumor-associated epithelial membrane antigen; Tumor-associated mucin; anti-MUC1 antibody

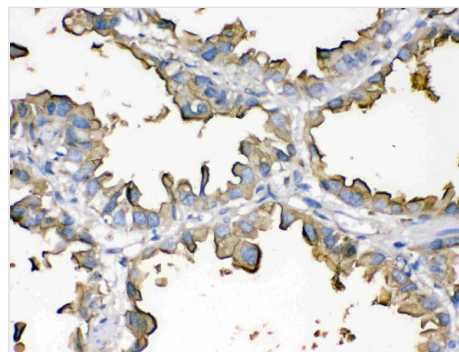
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1
Clone Number	EMA-39
Purity/Purification	Ascites
Form/Format	Lyophilized
Sequence Length	631
Applicable Applications for anti-MUC1 antibody	IHC (Immunohistochemistry), IHC (Immunohistochemistry)
Immunogen	Human milk fat globule membranes.
Contents	Mouse ascites fluid, 1.2% sodium acetate, 2mg BSA, with 0.01mg NaN3 as preservative.
Reconstitution	1.2% sodium acetate or neutral PBS. If 1ml of PBS is used, the antibody concentration will be 100ug/ml.
Preparation and Storage	At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.

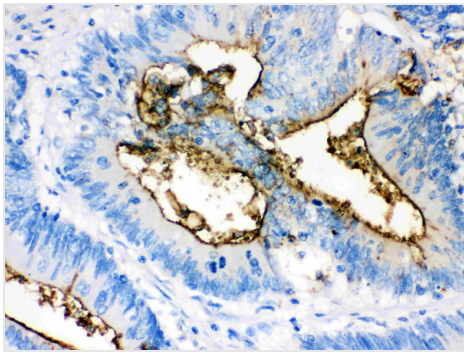
IMAGES


IHC (Immunohistochemistry)

Anti- Episialin, EMA antibody, AAA44910, IHC(P)IHC(P): Human Mammary Cancer Tissue


IHC (Immunohistochemistry)

Anti- Episialin, EMA antibody, AAA44910, IHC(P)IHC(P): Human Lung Cancer Tissue



IHC (Immunohistochemistry)
Anti- Episialin, EMA antibody, AAA44910, IHC(P)IHC(P): Human Intestinal Cancer Tissue

ADDITIONAL INFORMATION

Related Product Information for anti-MUC1 antibody	Description: Mouse IgG monoclonal antibody for Episialin, EMA, mucin 1, cell surface associated (MUC1) detection. Tested with IHC-P, IHC-F in Human. No cross reactivity with other proteins. Uniprot ID: 15941 Background: 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 abundantly in lactating mammary glands and overexpressed abundantly in >90% breast carcinomas and metastases. Transgenic MUC1 has been shown to associate with all four cbbB receptors and localize with erbB1(EGFR) in lactating glands. The MUC1 gene contains seven exons and produces several different alternatively spliced variants. The major expressed form of MUC1 uses all seven exons and is a type I transmembrane protein with a large extracellular tandem repeat domain. The tandem repeat domain is highly O glycosylated and alterations in glycosylation have been shown in epithelial cancer cells.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	199843
NCBI GeneID	17829
Molecular Weight	64,539 Da
NCBI Official Full Name	episialin
NCBI Official Synonym Full Names	mucin 1, transmembrane
NCBI Official Symbol	Muc1
NCBI Official Synonym Symbols	EMA; CD227; Muc-1
NCBI Protein Information	mucin-1; episialin
UniProt Protein Name	Mucin-1
UniProt Gene Name	Muc1
UniProt Synonym Gene Names	Muc-1; MUC-1; MUC1-NT; MUC1-alpha; MUC1-beta
UniProt Entry Name	MUC1_MOUSE

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.