

MUC1 monoclonal antibody, clone EMA 201

Catalog # MAB6186

Size 500 uL

Specification

Product Description	Mouse monoclonal antibody raised against native MUC1.
Immunogen	Native purified MUC1 from human milk fat globule membranes.
Host	Mouse
Reactivity	Human
Form	Liquid
Isotype	IgG1, kappa
Recommend Usage	Immunohistochemistry (1:50-1:200) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.4 (1% BSA, 0.05% sodium azide)
Storage Instruction	Store at 4°C.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)
- Immunohistochemistry (Frozen sections)
- Immunocytochemistry

Gene Info — MUC1

Entrez GeneID	4582
Gene Name	MUC1
Gene Alias	CD227, EMA, H23AG, MAM6, PEM, PEMT, PUM
Gene Description	mucin 1, cell surface associated
Omim ID	158340
Gene Ontology	Hyperlink
Gene Summary	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, with the degree of glycosylation varying with cell type. It also includes a 20 aa variable number tandem repeat (VNTR) domain, with the number of repeats varying from 20 to 120 in different individuals. The 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. [provided by RefSeq]
Other Designations	DF3 antigen H23 antigen MUC-1/SEC MUC-1/X MUC1/ZD OTTHUMP00000033787 OTTHUMP00000033790 OTTHUMP00000033795 breast carcinoma-associated antigen DF3 episialin mucin 1 mucin 1, transmembrane peanut-reactive urinary mucin polymorphic epithelial mucin tumor as

Publication Reference

- [Magnetic-Based Enrichment of Rare Cells from High Concentrated Blood Samples.](#)

Wu J, Raba K, Guglielmi R, Behrens B, Van Dalum G, Flügen G, Koch A, Patel S, Knoefel WT, Stoecklein NH, Neves RPL. Cancers 2020 Apr; 12(4):E933.

Application: Flow Cyt, Human, HuP-T4, CAPAN-1, MIAPACA-2 cells

- [Keratins versus epithelial membrane antigen.](#)

Gown AM.

Human Pathology 1988 Jan; 19(1):119.

Disease

- [Adenocarcinoma](#)
- [Asthma](#)
- [Attention Deficit Disorder with Hyperactivity](#)

- [Autistic Disorder](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Bronchiolitis](#)
- [Carcinoma](#)
- [Chronic Disease](#)
- [Disease Susceptibility](#)
- [Gastritis](#)
- [Genetic Predisposition to Disease](#)
- [Helicobacter Infections](#)
- [Infant](#)
- [Kidney Failure](#)
- [Lung Diseases](#)
- [Lung Neoplasms](#)
- [Metaplasia](#)
- [NARP](#)
- [Neoplasms](#)
- [Ovarian cancer](#)
- [Ovarian Neoplasms](#)
- [Prostate cancer](#)
- [Prostatic Neoplasms](#)
- [Respiratory Syncytial Virus Infections](#)
- [Sarcoidosis](#)
- [Stomach Neoplasms](#)