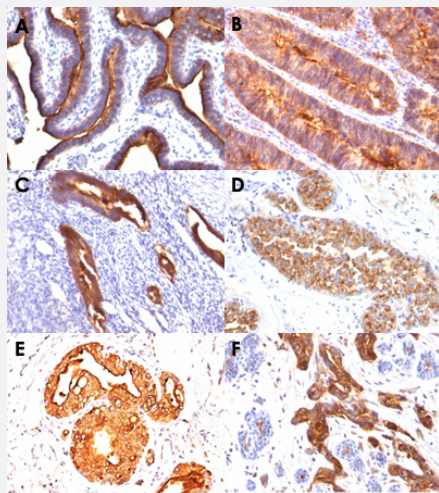


MUC1 monoclonal antibody, clone MUC1/845

Catalog # MAB13363 Size 100 ug

Applications



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

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human ovarian carcinoma (A), human colon carcinoma (B), human endometrial carcinoma (C) and human breast carcinoma (D, E, F) with MUC1 monoclonal antibody, clone MUC1/845 (Cat # MAB13363).

Specification

Product Description Mouse monoclonal antibody raised against native human MUC1.

Immunogen Human milk-fat globule membranes (HMFGM).

Host Mouse

Theoretical MW (kDa) 265-400

Reactivity Human

Form Liquid

Purification Protein A/G purification

Isotype IgG1, kappa

Recommend Usage

Flow Cytometry (0.5-1 ug/10⁶ cells in 0.1 mL)
Immunofluorescence (0.5-1 ug/mL)
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (0.1-0.2 ug/mL)
The optimal working dilution should be determined by the end user.

Storage Buffer

In 10 mM PBS (0.05% 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)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human ovarian carcinoma (A), human colon carcinoma (B), human endometrial carcinoma (C) and human breast carcinoma (D, E, F) with MUC1 monoclonal antibody, clone MUC1/845 (Cat # MAB13363).

- Immunofluorescence

- Flow Cytometry

Gene Info — MUC1

Entrez GeneID

[4582](#)

Protein Accession#

[P15941](#)

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

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](#)