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Anti-EMA / MUC1 Antibody (clone GP1.4, Azide-free)

Mouse Anti Human Monoclonal Antibody
Catalog # ALS18139

Specification

Anti-EMA / MUC1 Antibody (clone GP1.4, Azide-free) - Product Information

Application	**IHC-P**
Primary Accession	P15941
Predicted	**Human**
Host	**Mouse**
Clonality	**Monoclonal**
Isotype	**IgG1**
Calculated MW	**122102**

Anti-EMA / MUC1 Antibody (clone GP1.4, Azide-free) - Additional Information

Gene ID 4582

Alias Symbol	**MUC1**

Other Names
MUC1, CA15-3, CD227, Carcinoma-associated mucin, CD227 antigen, DF3 antigen, Episialin, Epithelial membrane antigen, H23 antigen, H23AG, Krebs von den Lungen-6, MAM6, MUC1/ZD, MUC-1/SEC, Mucin-1, Pem, KL-6, MUC-1/X, Tumor-associated mucin, Peanut-rea ...

Target/Specificity
DTRP

Reconstitution & Storage
Protein G purified

Precautions
Anti-EMA / MUC1 Antibody (clone GP1.4, Azide-free) is for research use only and not for use in diagnostic or therapeutic procedures.

Anti-EMA / MUC1 Antibody (clone GP1.4, Azide-free) - Protein Information

Name MUC1

Synonyms PUM

Function
The alpha subunit has cell adhesive properties. Can act both as an adhesion and an anti-adhesion protein. May provide a protective layer on epithelial cells against bacterial and enzyme attack.

Cellular Location
Apical cell membrane; Single-pass type I membrane protein. Note=Exclusively located in the apical domain of the plasma membrane of highly polarized epithelial cells After endocytosis, internalized and recycled to the cell membrane Located to microvilli and to the tips of long

filopodial protusions [Isoform Y]: Secreted. [Mucin-1 subunit beta]: Cell membrane. Cytoplasm. Nucleus. Note=On EGF and PDGFRB stimulation, transported to the nucleus through interaction with CTNNB1, a process which is stimulated by phosphorylation. On HRG stimulation, colocalizes with JUP/gamma-catenin at the nucleus

Tissue Location
Expressed on the apical surface of epithelial cells, especially of airway passages, breast and uterus. Also expressed in activated and unactivated T-cells. Overexpressed in epithelial tumors, such as breast or ovarian cancer and also in non-epithelial tumor cells. Isoform Y is expressed in tumor cells only

Anti-EMA / MUC1 Antibody (clone GP1.4, Azide-free) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-EMA / MUC1 Antibody (clone GP1.4, Azide-free) - Images