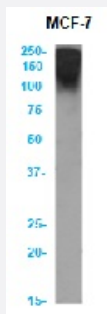


RecomAb™

# MUC1 recombinant monoclonal antibody, clone Mc5

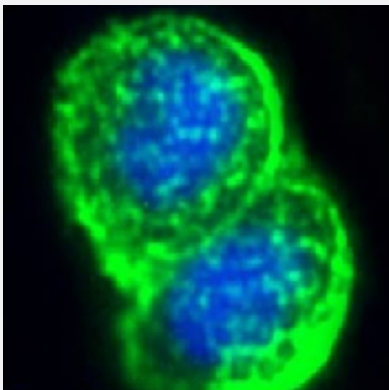
Catalog # RAB03715      Size 200 ug

## Applications



### Western Blot

Western blot analysis of MUC1 in MCF-7 cell lysates using human anti-Breast epithelial mucin recombinant monoclonal antibody, clone Mc5 (Cat # RAB02788).



### Immunofluorescence

Immunofluorescence analysis of MUC1 (green) in MCF-7 cell lysates using human anti-Breast epithelial mucin recombinant monoclonal antibody, clone Mc5 (Cat # RAB02788), and DAPI(blue).

## Specification

|                            |                                                                                                        |
|----------------------------|--------------------------------------------------------------------------------------------------------|
| <b>Product Description</b> | Rabbit recombinant monoclonal antibody raised against human breast epithelial mucin.                   |
| <b>Antibody Species</b>    | Rabbit                                                                                                 |
| <b>Immunogen</b>           | Original antibody is raised against recombinant protein corresponding to human breast epithelial mucin |
| <b>Reactivity</b>          | Human                                                                                                  |
| <b>Form</b>                | Liquid                                                                                                 |

|                     |                                                                                                                                                                         |
|---------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Conjugation         | Unconjugated                                                                                                                                                            |
| Concentration       | batch dependent                                                                                                                                                         |
| Isotype             | IgG kappa                                                                                                                                                               |
| Recommend Usage     | ELISA<br>Immunofluorescence<br>Immunohistochemistry<br>Immunoprecipitation<br>IRA<br>Western Blot<br>The optimal working dilution should be determined by the end user. |
| Storage Buffer      | In PBS with 0.02% Proclin 300                                                                                                                                           |
| Storage Instruction | Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C.<br>Aliquot to avoid repeated freezing and thawing.                                     |

## Applications

- Western Blot

Western blot analysis of MUC1 in MCF-7 cell lysates using human anti-Breast epithelial mucin recombinant monoclonal antibody, clone Mc5 (Cat # RAB02788).

- Immunohistochemistry

- Immunofluorescence

Immunofluorescence analysis of MUC1 (green) in MCF-7 cell lysates using human anti-Breast epithelial mucin recombinant monoclonal antibody, clone Mc5 (Cat # RAB02788), and DAPI(blue).

- Immunoprecipitation

- Enzyme-linked Immunoabsorbent Assay

## Gene Info — MUC1

|                    |                                         |
|--------------------|-----------------------------------------|
| Entrez GeneID      | <a href="#">4582</a>                    |
| Protein Accession# | <a href="#">P15941</a>                  |
| Gene Name          | MUC1                                    |
| Gene Alias         | CD227, EMA, H23AG, MAM6, PEM, PEMT, PUM |

|                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Description</b>   | mucin 1, cell surface associated                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Omim ID</b>            | <a href="#">158340</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Gene Ontology</b>      | <a href="#">Hyperlink</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Gene Summary</b>       | <p>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]</p> |
| <b>Other Designations</b> | 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](#)