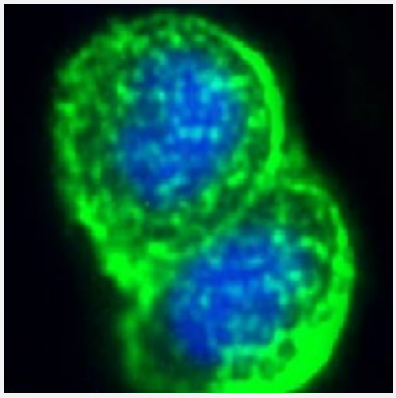
RecomAb™

MUC1 recombinant monoclonal antibody, clone Mc5

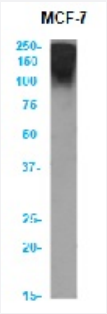
Catalog # RAB03715 Size 200 ug

Applications



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).



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).

Specification

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

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Conjugation	Unconjugated
Preparation Method	Mammalian cell (HEK293) expression system
Concentration	batch dependent
Isotype	IgG kappa
Recommend Usage	ELISA Immunofluorescence Immunohistochemistry Immunoprecipitation IRA Western Blot 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. Aliquot to avoid repeated freezing and thawing.

Applications

- 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).
- Enzyme-linked Immunoabsorbent Assay
- Immunoprecipitation
- 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).

Gene Info — MUC1

Entrez GeneID	4582
Protein Accession#	P15941
Gene Name	MUC1

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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

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- 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

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