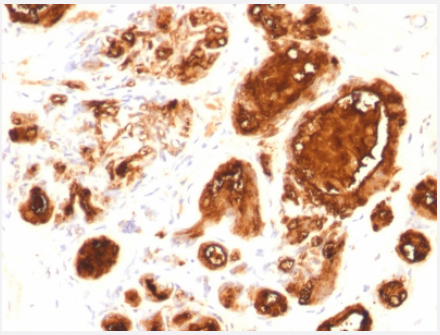
RecomAb™

MUC1 recombinant monoclonal antibody, clone rMUC1/960

Catalog # RAB00308 Size 100 ug

Applications



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

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human ovarian carcinoma with MUC1 recombinant monoclonal antibody, clone rMUC1/960 (Cat # RAB00308).

Specification

Product Description	Mouse recombinant monoclonal antibody raised against human MUC1.
Antibody Species	Mouse
Immunogen	Human milk-fat globule membranes (HMFGM)
Theoretical MW (kDa)	265-400
Reactivity	Human
Specificity	This antibody reacts with MUC1, a large transmembrane glycoprotein expressed on the ductal surface of normal glandular epithelia.
Form	Liquid
Purification	Protein A/G purification
Isotype	IgG2b, kappa

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Recommend Usage	Flow Cytometry (0.5-1 ug/million cells) Immunofluorescence (1-2 ug/mL) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (0.5-1 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In 10 mM PBS
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.

Applications

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

  Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human ovarian carcinoma with MUC1 recombinant monoclonal antibody, clone rMUC1/960 (Cat # RAB00308).

- 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 phosp hoprotein. The protein is anchored to the apical surface of many epithelia by a transmembrane do main, with the degree of glycosylation varying with cell type. It also includes a 20 aa variable numb er tandem repeat (VNTR) domain, with the number of repeats varying from 20 to 120 in different i ndividuals. 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 glyco sylation of this protein have been associated with carcinomas. Multiple alternatively spliced transc ript variants that encode different isoforms of this gene have been reported, but the full-length natu re of only some has been determined. [provided by RefSeq

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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

- Selective secretion and replenishment of discrete mucin glycoforms from intestinal goblet cells.

  Stanley CM, Phillips TE.

  The American Journal of Physiology 1999 Jul; 277(1):G191.

  Application: ICC, Human, HT29–18N2 goblet cells

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

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- Lung Neoplasms
- Metaplasia
- NARP
- Neoplasms
- Ovarian cancer
- Ovarian Neoplasms
- Prostate cancer
- Prostatic Neoplasms
- Respiratory Syncytial Virus Infections
- Sarcoidosis
- Stomach Neoplasms

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