

# Product Information

## Recombinant Anti-Human MUC1 Antibody

Cat. No.: **MOM-H65**

This product is for research use only and is not intended for diagnostic use.

### Product Overview

Recombinant Humanized (from mouse) Antibody is specific to Human MUC1, expressed in HEK293

### Antigen Description

Mucin 1, cell surface associated (MUC1) or polymorphic epithelial mucin (PEM) is a mucin encoded by the MUC1 gene in humans. MUC1 is a glycoprotein with extensive O-linked glycosylation of its extracellular domain. Mucins line the apical surface of epithelial cells.

### Specific Activity

MUC1 (mucin 1, polymorphic epithelial mucin, PEM, episialin, CD227) [Homo sapiens]

### Target

MUC1

### Source

Humanized (from mouse)

### Species Reactivity

Human

### Type

Humanized (from mouse) IgG1

### Expression Host

HEK293

### Purity

>95.0% as determined by analysis by SDS-PAGE.

### Purification

Purified by Protein A.

### Applications

Suitable for use in ELISA, WB, Neut and most other immunological methods.

### Cellular Localization

kappa

### Storage

Store at 4°C for up to 3 months. For longer term storage aliquot into small volumes and store at -20°C.

## ANTIGEN GENE INFORMATION

**Gene Name**

[MUC1 mucin 1, cell surface associated \[ Homo sapiens \]](#)

**Official Symbol**

MUC1

**Synonyms**

MUC1; mucin 1, cell surface associated; mucin 1, transmembrane , PUM; mucin-1; CD227; PEM; episialin; DF3 antigen; H23 antigen; krebs von den Lungen-6; mucin 1, transmembrane; tumor-associated mucin; carcinoma-associated mucin; polymorphic epithelial mucin; peanut-reactive urinary mucin; tumor associated epithelial mucin; breast carcinoma-associated antigen DF3; tumor-associated epithelial membrane antigen; EMA; PUM; KL-6; MAM6; PEMT; H23AG; MUC-1; MUC-1/X; MUC1/ZD; MUC-1/SEC;

**Gene ID**

[4582](#)

**mRNA Refseq**

[NM\\_001018016](#)

**Protein Refseq**

[NP\\_001018016](#)

**MIM**

[158340](#)

**UniProt ID**

P15941

**Chromosome Location**

1q22

**Pathway**

IL-7 Signaling Pathway, organism-specific biosystem; Metabolism of proteins, organism-specific biosystem; O-linked glycosylation of mucins, organism-specific biosystem; Post-translational protein modification, organism-specific biosystem; T Cell Receptor Signaling Pathway, organism-specific biosystem; Termination of O-glycan biosynthesis, organism-specific biosystem;

**Function**

RNA polymerase II core promoter proximal region sequence-specific DNA binding; p53 binding; protein binding; transcription cofactor activity;