

Product Information

Recombinant Anti-Human MUC1 Antibody Fab Fragment

Cat. No.: **MOM-H65-F(E)**

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

Product Overview

Recombinant Humanized (from mouse) Antibody Fab Fragment is specific for 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 epithe

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) Fab-IgG1

Expression Host

HEK293

Purity

>97%, by SDS-PAGE under reducing conditions and visualized by silver stain.

Purification

Purified by Nickel ion affinity chromatography

Applications

Suitable for use in ELISA, FC, IP, FuncS, IF, Neut, ICC and most other immunological methods.

Cellular Localization

kappa

Storage

4°C. For long term storage, aliquot and store at -20°C. Repeated thawing and freezing must be avoided.

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;