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Product Information

Recombinant Anti-Human MUC1 Antibody Fab Fragment

Cat. No.: **MOM-H65-F(P)**
This product is for research use only and is not intended for diagnostic use.

Product Overview

Recombinant Humanized (from mouse) Antibody Fab Fragment specifically binds to Human MUC1, expressed in E. coli

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

E. coli

Purity

>95%, by SDS-PAGE with silver staining, under reducing conditions.

Purification

Purified by Nickel ion affinity chromatography

Applications

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

Cellular Localization

kappa

Storage

Store at -20°C. Avoid multiple freeze/thaw cycles.

ANTIGEN GENE INFOMATION

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;

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