

## Humanized anti-Human MUC1 Antibody | anti-MUC1 antibody

Anti-MUC1 (PAb-001 biosimilar) mAb

| CATALOG # | HOST      | REACTIVITY | APPLICATIONS                            |
|-----------|-----------|------------|-----------------------------------------|
| AAA129448 | Humanized | Human      | Flow Cytometry, Functional Assay, ELISA |

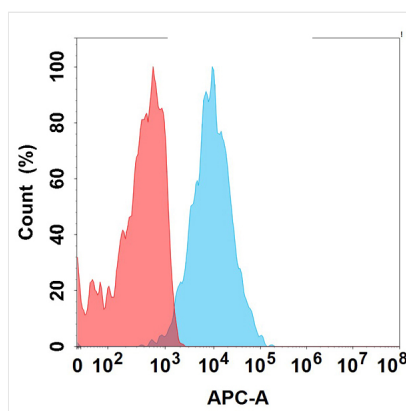
### PRODUCT SYNONYMS

MUC1; Anti-MUC1 (PAb-001 biosimilar) mAb; MUC-1; CD227; PUM; PAB001; PAB001-ADC; hMUC1-1H7; anti-MUC1 antibody

### PRODUCT SPECIFICATIONS

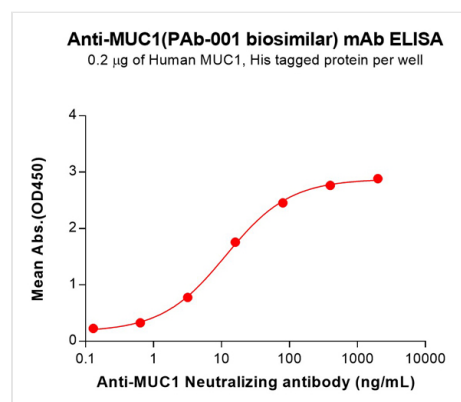
|                                                |                                                                                                                                                                                                                                                                            |
|------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                           | Humanized                                                                                                                                                                                                                                                                  |
| Reactivity                                     | Human                                                                                                                                                                                                                                                                      |
| Isotype                                        | IgG1 (E239D, M241L)                                                                                                                                                                                                                                                        |
| Form/Format                                    | Lyophilized from sterile PBS, pH 7.4. Normally 5% – 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.                                                                            |
| Applicable Applications for anti-MUC1 antibody | FCM/FACS (Flow Cytometry), ELISA                                                                                                                                                                                                                                           |
| Preparation and Storage                        | Store at -20 degree C to -80 degree C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80 degree C (Avoid repeated freezing and thawing). Lyophilized antibodies are shipped at ambient temperature. |

### IMAGES



FCM/FACS (Flow Cytometry)

Figure 2. Flow cytometry analysis with 1ug/mL Anti-MUC1(PAb-001 biosimilar) mAb (AAA129448) on Expi293 cells transfected with Human MUC1 protein (Blue histogram) or Expi293 transfected with irrelevant protein (Red histogram).



ELISA

Figure 1. ELISA plate pre-coated by 2 ug/mL (100 uL/well) Human MUC1 Protein, His Tag can bind Anti-MUC1(PAb-001 biosimilar) mAb (AAA129448) in a linear range of 0.64–80 ng/mL.

### ADDITIONAL INFORMATION

|                                                  |                                 |
|--------------------------------------------------|---------------------------------|
| Product Categories/Family for anti-MUC1 antibody | Biosimilar reference antibodies |
|--------------------------------------------------|---------------------------------|

### NCBI AND UNIPROT INFORMATION

|           |          |
|-----------|----------|
| NCBI GI # | 67189007 |
|-----------|----------|

|                                  |                                                                                                                                                                                                                                                                 |
|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GeneID                      | 4582                                                                                                                                                                                                                                                            |
| NCBI Accession #                 | NP_001018016.1                                                                                                                                                                                                                                                  |
| NCBI GenBank Nucleotide #        | NM_001018016.2                                                                                                                                                                                                                                                  |
| UniProt Accession #              | P15941; P13931; P15942; P17626; Q0VAP6; Q14128; Q14876; Q16437; Q16442; Q16615; B1AVQ8; B1AVR0                                                                                                                                                                  |
| Molecular Weight                 | 122,102 Da                                                                                                                                                                                                                                                      |
| NCBI Official Full Name          | mucin-1 isoform 2                                                                                                                                                                                                                                               |
| NCBI Official Synonym Full Names | mucin 1, cell surface associated                                                                                                                                                                                                                                |
| NCBI Official Symbol             | MUC1                                                                                                                                                                                                                                                            |
| NCBI Official Synonym Symbols    | EMA; PEM; PUM; KL-6; MAM6; PEMT; CD227; H23AG; MUC-1; CA 15-3; MUC-1/X; MUC1/ZD; MUC-1/SEC                                                                                                                                                                      |
| NCBI Protein Information         | mucin-1; episialin; DF3 antigen; H23 antigen; cancer antigen 15-3; krebs von den Lungen-6; mucin 1, transmembrane; tumor-associated mucin; carcinoma-associated mucin; polymorphic epithelial mucin; peanut-reactive urinary mucin; tumor associated epithelial |
| UniProt Protein Name             | Mucin-1                                                                                                                                                                                                                                                         |
| UniProt Gene Name                | <b>MUC1</b>                                                                                                                                                                                                                                                     |
| UniProt Synonym Gene Names       | PUM; MUC-1; CA 15-3; KL-6; PUM; PEM; EMA; MUC1-NT; MUC1-alpha; MUC1-beta                                                                                                                                                                                        |
| UniProt Entry Name               | MUC1_HUMAN                                                                                                                                                                                                                                                      |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/humanized-human-antibody/muc1/129448>