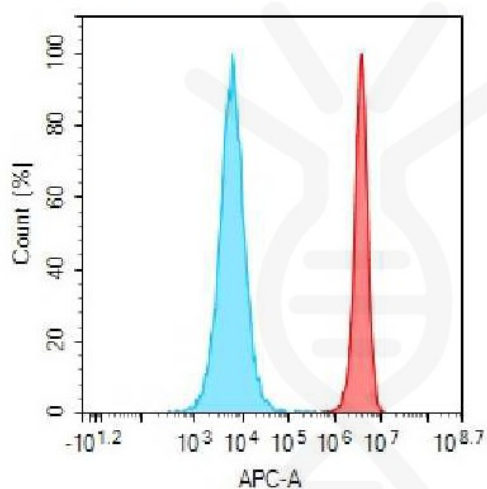


**PRODUCT INFORMATION**

|                                |   |
|--------------------------------|---|
| <b>Target</b>                  | MUC1  |
| <b>Description</b>             | Monoclonal Cell Line Derived from 293T Cells, Engineered for Stable Expression of Human MUC1 Using Lentiviral Technology  |
| <b>Host Cells</b>              | 293T  |
| <b>Uniprot ID</b>              | P15941  |
| <b>Applications</b>            | FACS Data   |
| <b>Growth media</b>            | DMEM+10% FBS+1% P.S+Gln+2 ug/mL Puromycin   |
| <b>Package</b>                 | 5E6 Cells/mL  |
| <b>Suggested Control</b>       | SKU: BME100059  |
| <b>Warranty and Disclaimer</b> | 1. Please inspect cells upon receipt and report any issues promptly. 2. We offer one-time replacements for issues reported within a week of receipt. 3. User-induced issues are not eligible for free replacements. 4. We do not accept liability for damages resulting from cell use, storage, or loss. 5. Feedback received more than one month after receipt will not be processed.  |
| <b>Storage &amp; Shipping</b>  | Cells are shipped using dry ice and require liquid nitrogen storage for long term preservation.   |
| <b>Synonyms</b>                | ADMCKD; ADMCKD1; CA 15-3; CD227; EMA; H23AG; KL-6; MAM6; MCD; MCKD; MCKD1; MUC-1; MUC-1/SEC; MUC-1/X; MUC1/ZD; PEM; PEMT; PUM   |
| <b>Background</b>              | This gene encodes a membrane-bound protein that is a member of the mucin family. Mucins are O-glycosylated proteins that play an essential role in forming protective mucous barriers on epithelial surfaces. These proteins also play a role in intracellular signaling. This protein is expressed on the apical surface of epithelial cells that line the mucosal surfaces of many different tissues including lung; breast stomach and pancreas. This protein is proteolytically cleaved into alpha and beta subunits that form a heterodimeric complex. The N-terminal alpha subunit functions in cell-adhesion and the C-terminal beta subunit is involved in cell signaling. Overexpression; aberrant intracellular localization; and changes in glycosylation of this protein have been associated with carcinomas. This gene is known to contain a highly polymorphic variable number tandem repeats (VNTR) domain. Alternate splicing results in multiple transcript variants. |
| <b>Usage</b>                   | For research use only.  |



### Hu\_MUC1 293T Cell Line



-  Human IgG
-  Anti-MUC1(gatipotuzumab biosimilar) mAb (SKU: BME100059)

Figure 1. Flow cytometry analysis of human MUC1 overexpression using Hu\_MUC1 293T Cell Line (Cat. No. CEL100027) and Anti-MUC1(gatipotuzumab biosimilar) mAb (Cat. No. BME100059)

DIMABIO CONFIDENTIAL

