

**PRODUCT INFORMATION**

<b>Uniprot ID</b>	P43121
<b>Common Name</b>	hJ253-03-7 AMT 253
<b>Conjugate</b>	Unconjugated
<b>Synonyms</b>	MCAM; CD146
<b>Applications</b>	ELISA, Flow Cyt
<b>Recommended Dilutions</b>	ELISA 1:5000-10000, Flow Cyt 1:100
<b>Formulation &amp; Reconstitution</b>	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.
<b>Host Species</b>	Humanized
<b>IgG type</b>	IgG1
<b>Reactivity</b>	Human
<b>Target</b>	MUC18
<b>Description</b>	Anti-MUC18(AMT 253 biosimilar) mAb
<b>Delivery</b>	In Stock
<b>Storage &amp; Shipping</b>	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized antibodies are shipped at ambient temperature.
<b>Background</b>	Research grade biosimilar. Not for use in therapeutic or diagnostic procedures for humans or animals.
<b>Usage</b>	Research use only
<b>DIMA Disclaimer</b>	All DIMA recombinant antibodies are genuinely generated by DIMA Biotech. They are all under patent application. Any protein sequencing or reverse engineering attempt is prohibited. We are actively scrutinizing all patent application to ensure no IP infringement.



## Anti-MUC18(AMT 253 biosimilar) mAb ELISA

0.2  $\mu$ g of Human MUC18, His tagged protein per well

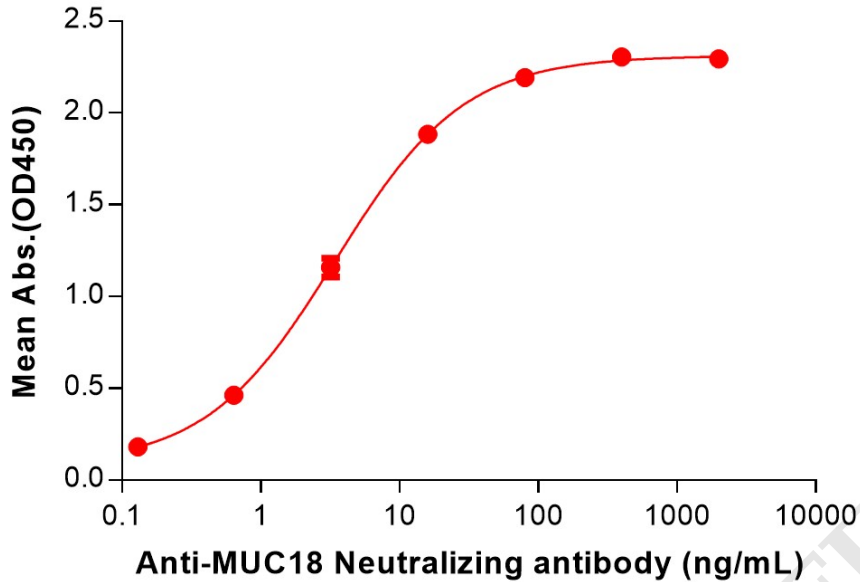


Figure 1. ELISA plate pre-coated by 2  $\mu$ g/mL (100  $\mu$ L/well) Human MUC18 Protein, His Tag (PME100735) can bind Anti-MUC18(AMT 253 biosimilar) mAb (BME100215) in a linear range of 0.13-16 ng/mL.

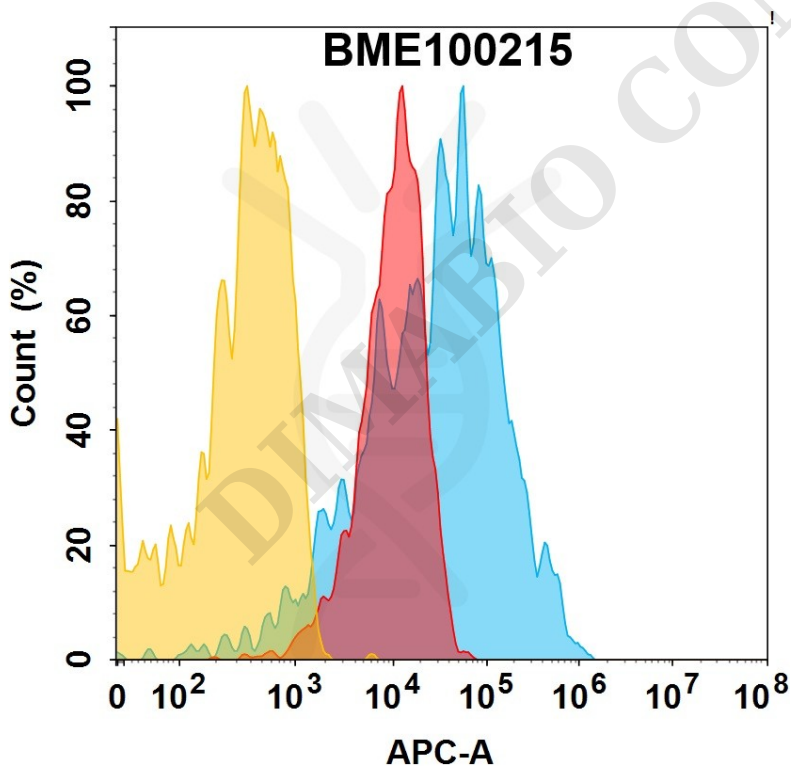


Figure 2. MUC18 protein is highly expressed on the surface of Expi293 cell membrane. Flow cytometry analysis with 1  $\mu$ g/mL Anti-MUC18(AMT 253 biosimilar) mAb (BME100215) on Expi293 cells transfected with Human MUC18 protein (Blue histogram) or Expi293 transfected with irrelevant protein (Red histogram).

