

**PRODUCT INFORMATION**

<b>Common Name</b>	MM-121,MM121,SAR256212
<b>Conjugate</b>	Unconjugated
<b>Synonyms</b>	HER3, ERBB3
<b>Applications</b>	ELISA, Flow Cyt
<b>Endotoxin</b>	Less than 1.0 EU/ $\mu$ g by the LAL method. For <1 EU/mg requirements, please contact us for customization.
<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>	Homo sapiens
<b>IgG type</b>	Human IgG2(S378A) - Kappa
<b>Reactivity</b>	Human
<b>Target</b>	HER3
<b>Uniprot ID</b>	P21860
<b>Description</b>	Anti-Her3(seribantumab 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>Sterility</b>	Products are supplied non-sterile. For cell culture applications, dilute in appropriate medium and sterile-filter (0.22 $\mu$ m) prior to use.
<b>Background</b>	Research grade biosimilar. Not for use in therapeutic or diagnostic procedures for humans or animals.
<b>Usage</b>	Research use only



## Anti-Her3(seribantumab biosimilar) mAb ELISA

0.2  $\mu\text{g}$  of Human Her3, His tagged protein per well

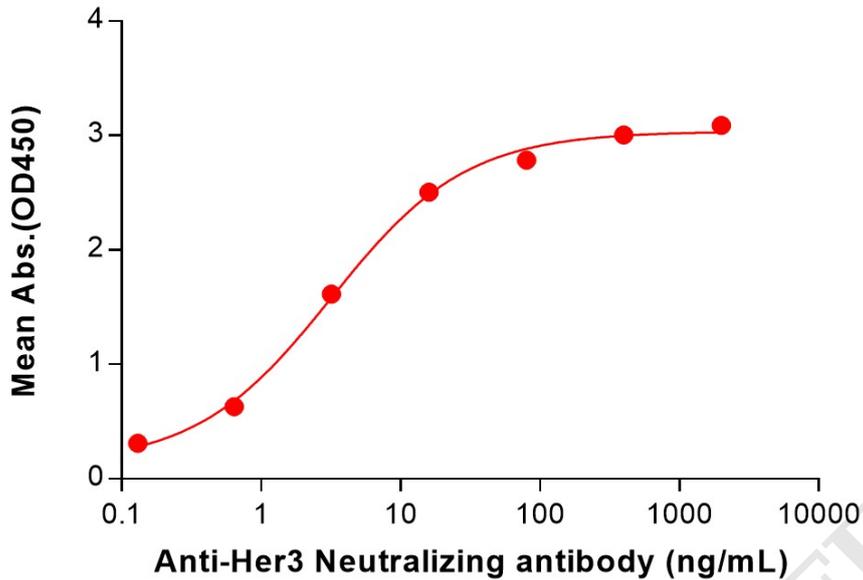


Figure 1. ELISA plate pre-coated by 2  $\mu\text{g}/\text{mL}$  (100  $\mu\text{L}/\text{well}$ ) Human Her3 Protein, His Tag (PME100088) can bind Anti-Her3(seribantumab biosimilar) mAb (BME100244) in a linear range of 0.13-16 ng/mL.

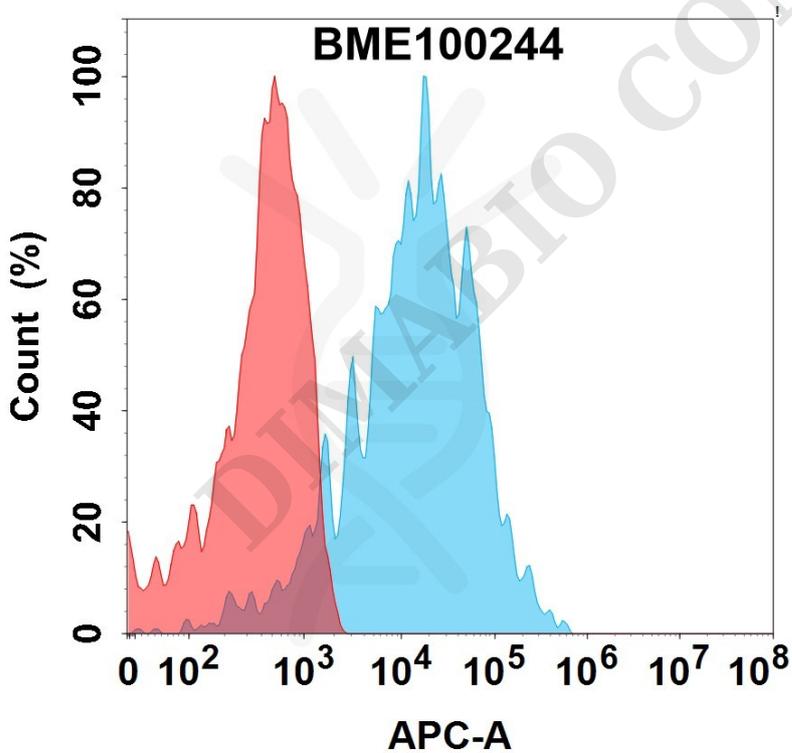


Figure 2. Flow cytometry analysis with 1 $\mu\text{g}/\text{mL}$  Anti-Her3(seribantumab biosimilar) mAb (BME100244) on HEK293 cells transfected with Human Her3 protein (Blue histogram) or HEK293 transfected with irrelevant protein (Red histogram).



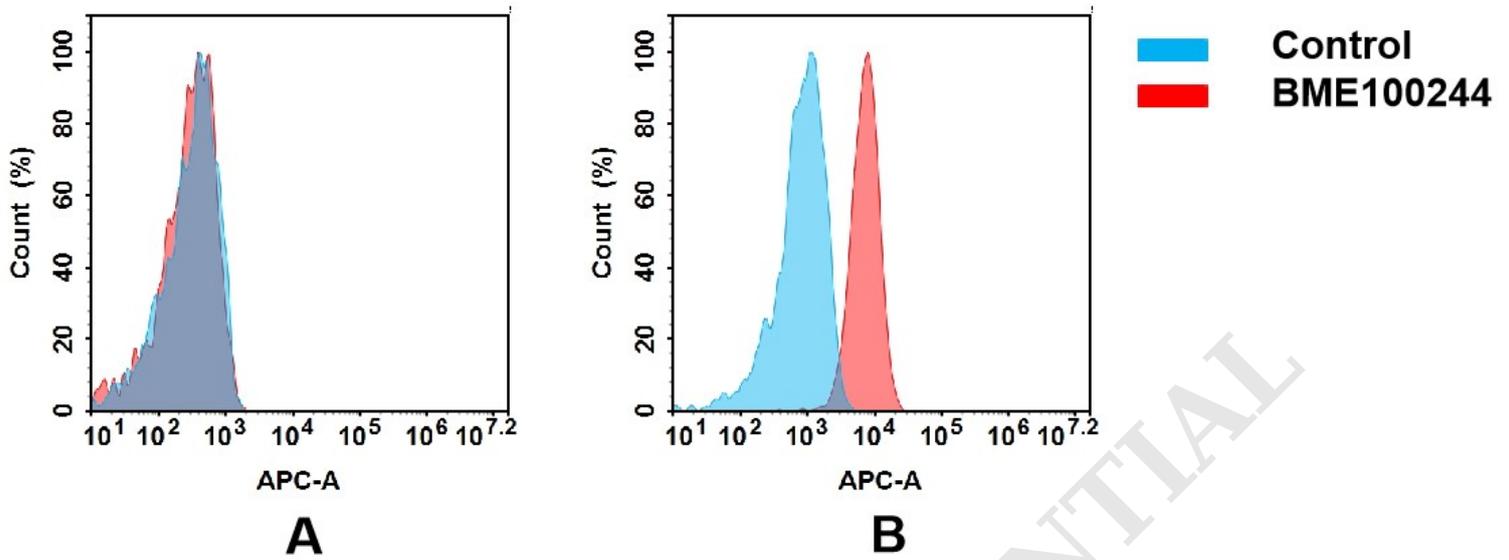


Figure 3. Flow cytometry analysis of antigen binding of anti-human Her3 mAb(BME100244).

(A) BME100244 does not bind to 293T cells that do not express Her3.

(B) A clear peak shift of BME100244 was seen compared to the control when incubated with Her3-expressing HT55 cells, indicating strong binding of BME100244 to Her3. Antibodies were incubated at 5 µg/mL.

