

**PRODUCT INFORMATION**

<b>Common Name</b>	4D5-8,4D5V8,Herceptin,rhuMabHER2
<b>Synonyms</b>	ERBB2;CD340;HER-2/neu;HER2;MLN19;NEU;NGL;TKR1
<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>	Her2
<b>Uniprot ID</b>	P04626
<b>Description</b>	Anti-Her2 (trastuzumab 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 proteins 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>Conjugate</b>	Unconjugated
<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-Her2 (trastuzumab biosimilar) mAb ELISA

0.1  $\mu\text{g}$  of Human Her2, His tagged protein per well

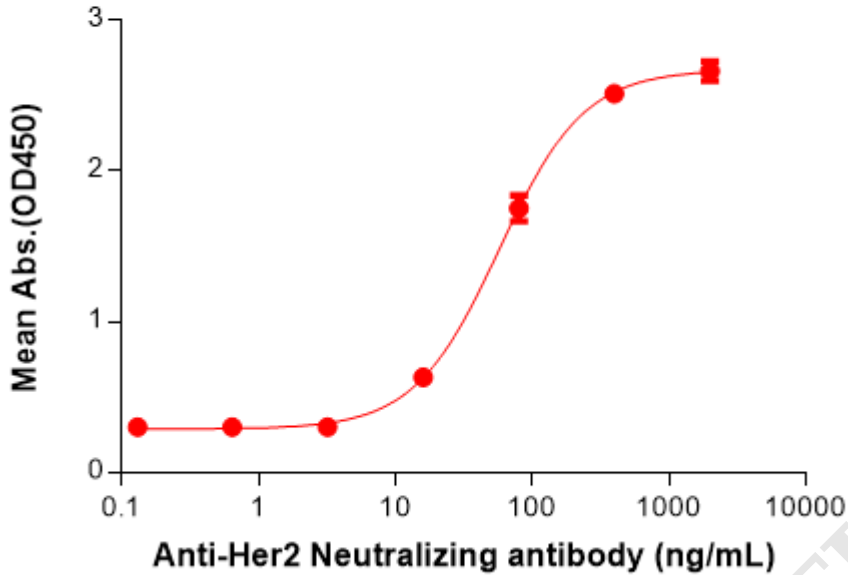


Figure 1. ELISA plate pre-coated by 1  $\mu\text{g}/\text{mL}$  (100  $\mu\text{L}/\text{well}$ ) Human Her2, His tagged protein (PME100095) can bind Anti-Her2 (trastuzumab biosimilar) mAb (BME100048) in a linear range of 3.2-400 ng/ml.

## Anti-Her2 (trastuzumab biosimilar)mAb ELISA

0.1  $\mu\text{g}$  of Human Her2, hFc tagged protein per well

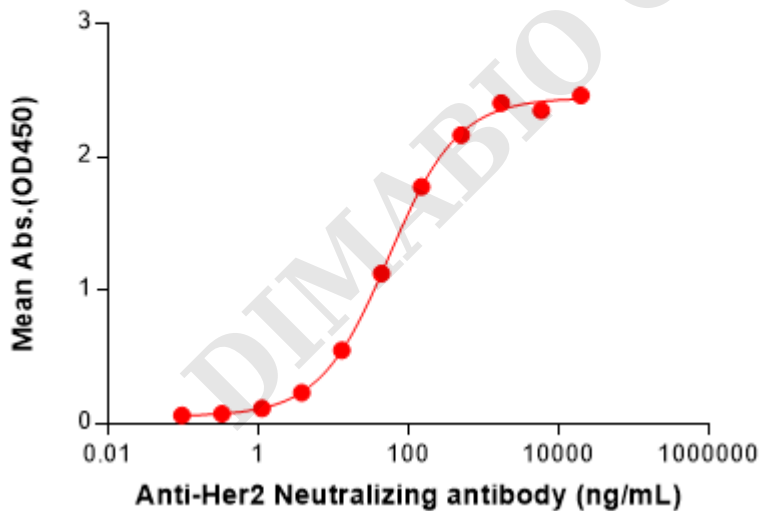


Figure 2. ELISA plate pre-coated by 1  $\mu\text{g}/\text{mL}$  (100  $\mu\text{L}/\text{well}$ ) Human Her2 Protein, hFc Tag (PME100665) can bind Anti-Her2 (trastuzumab biosimilar) mAb (BME100048) in a linear range of 3.81-1730.10 ng/mL. In order to specifically detect BME100048, mouse anti-human Fab-specific antibody was used as detection antibody.



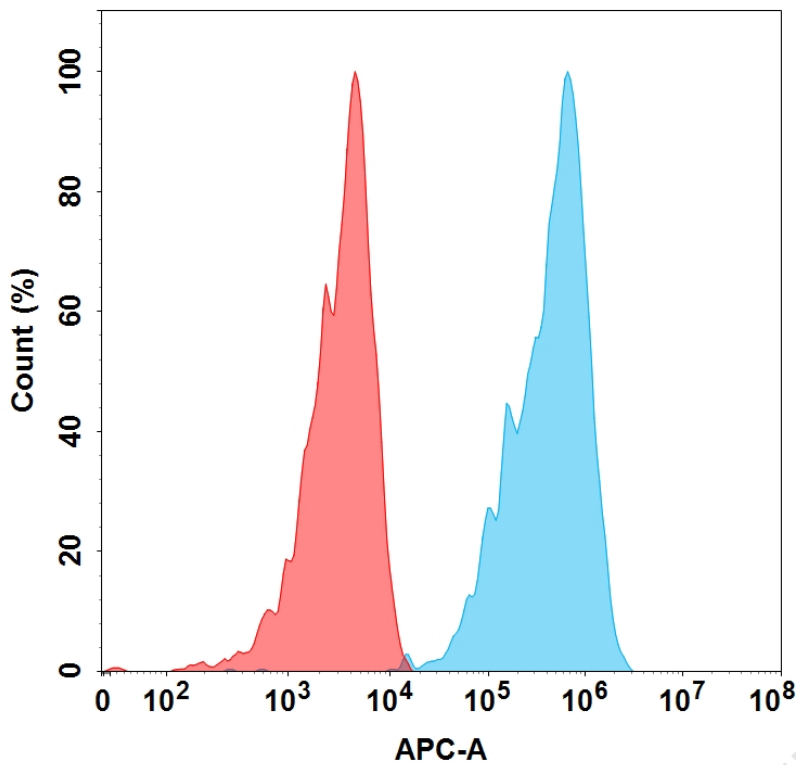


Figure 3. Flow cytometry analysis with 15  $\mu\text{g}/\text{mL}$  Anti-Her2 (trastuzumab biosimilar) mAb (BME100048) on Expi293 cells transfected with Human Her2 protein (Blue histogram) or Expi293 transfected with irrelevant protein (Red histogram).

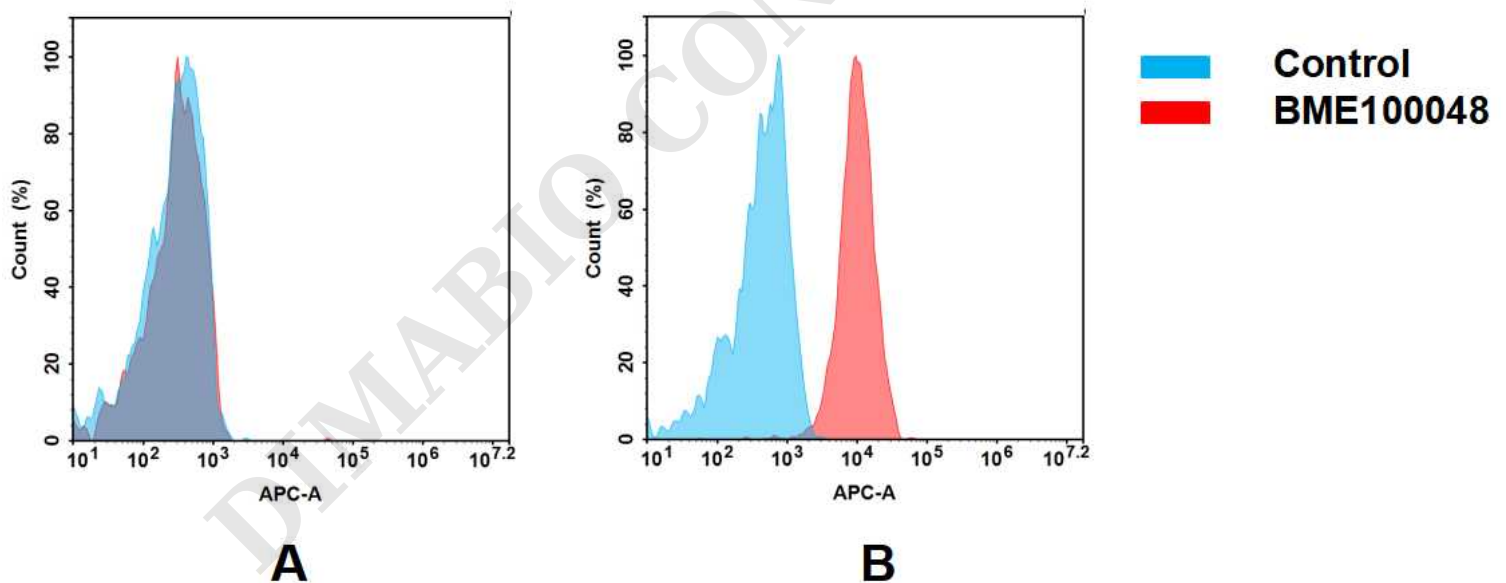


Figure 4. Flow cytometry analysis of antigen binding of anti-human Her2 mAb(BME100048).

(A) BME100048 does not bind to Jurkat cells that do not express Her2.

(B) A clear peak shift of BME100048 was seen compared to the control when incubated with Her2-expressing MCF-7 cells, indicating strong binding of BME100048 to Her2. Antibodies were incubated at 2  $\mu\text{g}/\text{mL}$ .

