PRODUCT INFORMATION

Common Name	4D5-8,4D5V8,Herceptin,rhuMabHER2
Synonyms	ERBB2;CD340;HER-2/neu;HER2;MLN19;NEU;NGL;TKR1
Applications	ELISA; Flow Cyt
Recommended Dilutions	ELISA 1:5000-10000; Flow Cyt 1:100
Formulation & Reconstitution	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.
Host Species	Humanized
IgG type	IgG1
Reactivity	Human
Target	Her2
Uniprot ID	P04626
Description	Anti-Her2 (trastuzumab biosimilar)mAb
Delivery	In Stock
Storage & Shipping	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.
Background	Research grade biosimilar. Not for use in therapeutic or diagnostic procedures for humans or animals.
Usage	Research use only

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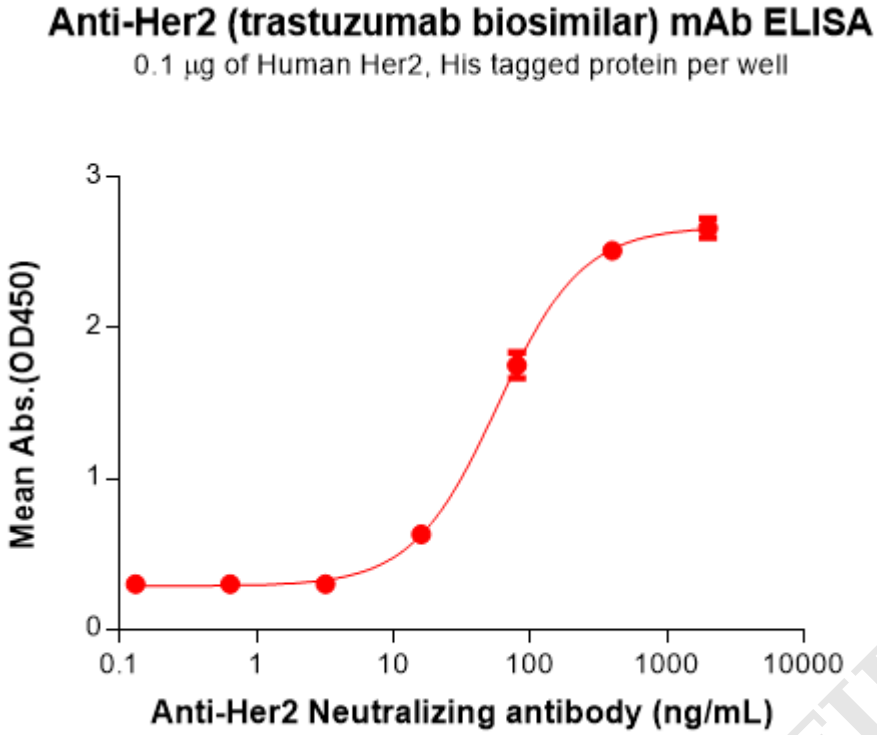

Figure 1. ELISA plate pre-coated by 1 μg/mL (100 μL/well) Human Her2, His tagged protein (PME100095) can bind Anti-Her2 (trastuzumab biosimilar) mAb (BME100048) in a linear range of 3.2-400 ng/ml.

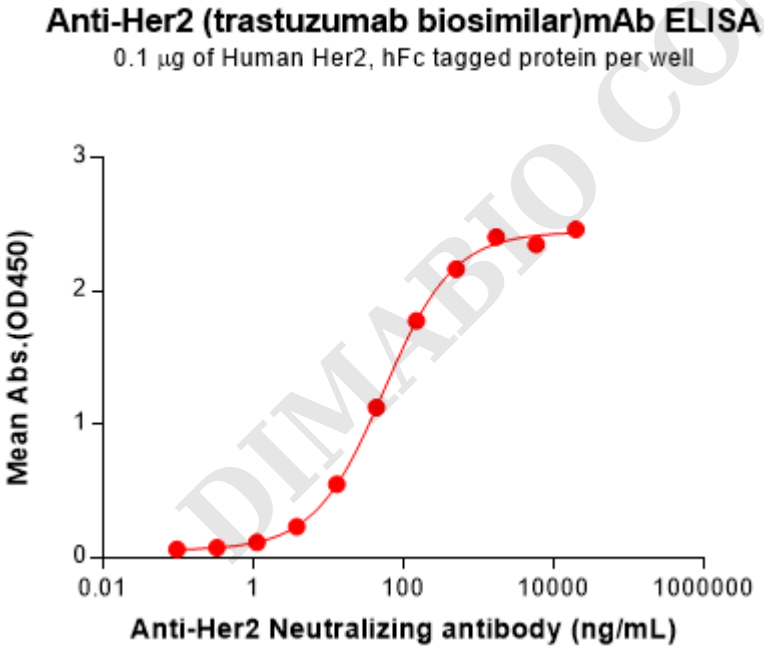

Figure 2. ELISA plate pre-coated by 1 μg/mL (100 μL/well) Human Her2 Protein, hFc Tag (PME100665) can bind Anti-Her2 (trastuzumab biosimilar) mAb (BME100048) in a linear range of 3.81-1730.10 ng/mL. In order to specifically detect BME100048, mouse anti-human Fab-specific antibody was used as detection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

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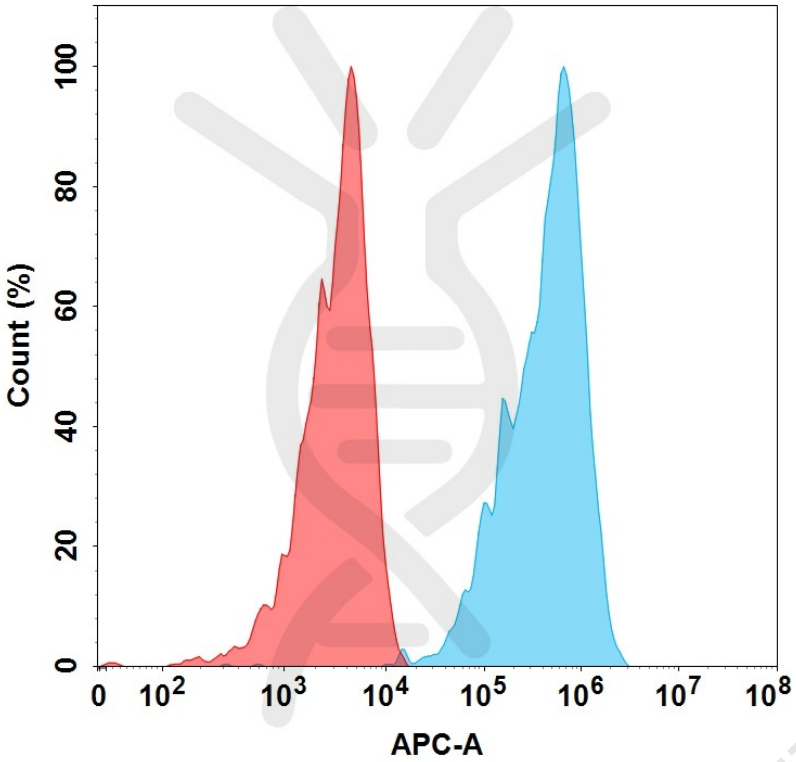

Figure 3. Flow cytometry analysis with 15 μg/mL Anti-Her2 (trastuzumab biosimilar) mAb (BME100048) on Expi293 cells transfected with Human Her2 protein (Blue histogram) or Expi293 transfected with irrelevant protein (Red histogram).

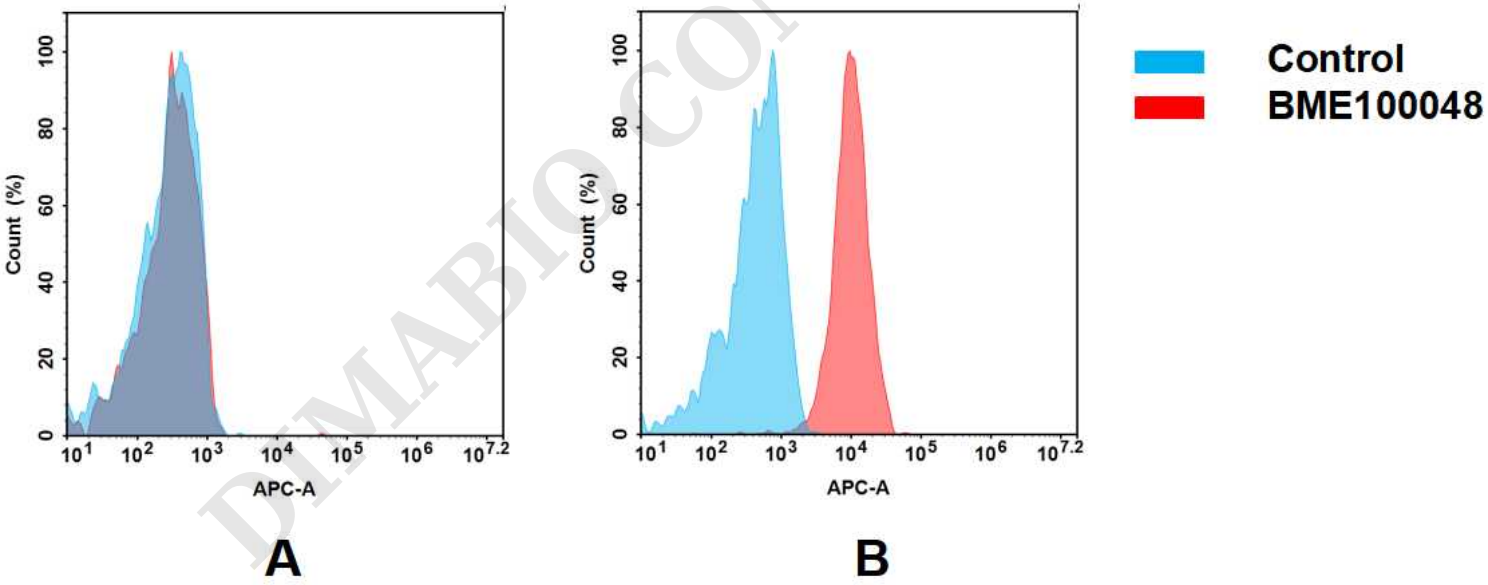

Figure 4. Flow cytometry analysis of antigen binding of anti-human Her2 mAb(BME100048).
(A) BME100048 does not bind to Jurkat cells that do not express Her2.
(B) A clear peak shift of BME100048 was seen compared to the control when incubated with Her2-expressing MCF-7 cells, indicating strong binding of BME100048 to Her2. Antibodies were incubated at 2 μg/mL.

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