

## PRODUCT INFORMATION

<b>Common Name</b>	CD74-DOX (ADC),hLL1,hLL1-DOX (ADC),MEDI-115, Unconjugated mAb
<b>Conjugate</b>	Unconjugated
<b>Synonyms</b>	DHLAG
<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.
<b>Host Species</b>	Humanized
<b>IgG type</b>	Human IgG1(K214R) - kappa
<b>Reactivity</b>	Human
<b>Target</b>	CD74
<b>Uniprot ID</b>	P04233
<b>Description</b>	Anti-CD74(milatuzumab 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. Our unconjugated biosimilar monoclonal antibodies (mAbs) are based on the sequences outlined in relevant patents or scientific publications. These antibodies are in their native, unconjugated form, meaning they do not contain any payload or therapeutic agent attached. They are designed for use in research and development, and their performance has been tested as standalone molecules through comprehensive QC tests.
<b>Usage</b>	Research use only



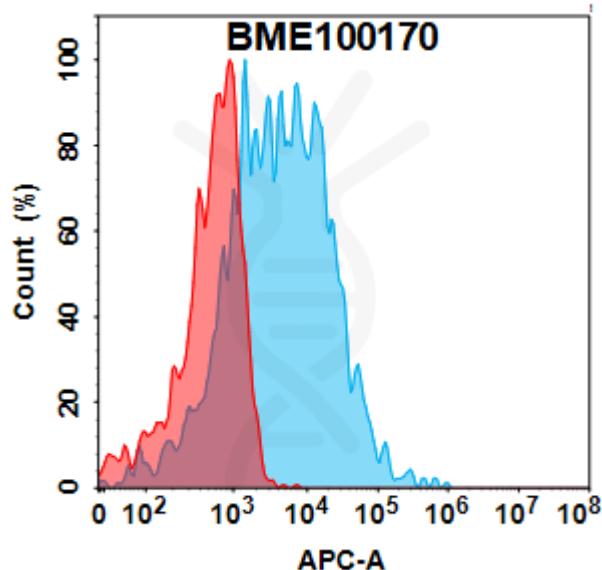


Figure 1. Flow cytometry analysis with 15 $\mu$ g/mL Anti-CD74(milatuzumab biosimilar) mAb (BME100170) on HEK293 cells transfected with Human CD74 protein (Blue histogram) or HEK293 transfected with irrelevant protein (Red histogram).

### Anti-CD74(milatuzumab biosimilar) mAb ELISA

0.2  $\mu$ g of Human CD74, hFc tagged protein per well

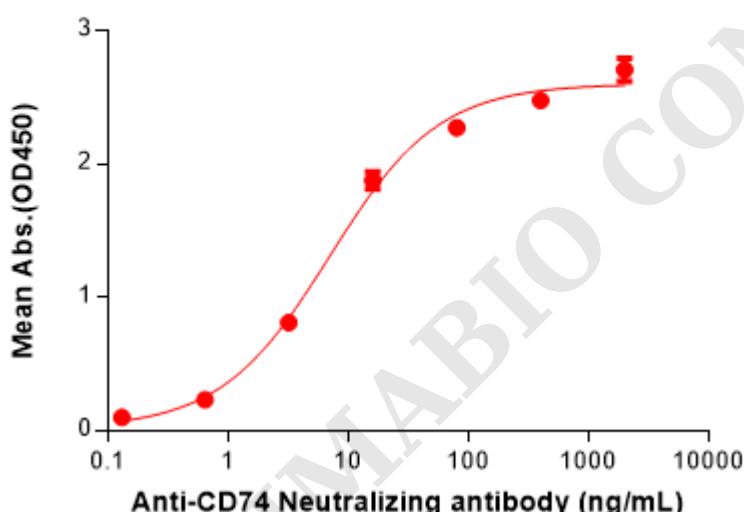


Figure 2. ELISA plate pre-coated by 2  $\mu$ g/mL (100  $\mu$ L/well) Human CD74 (73-296) Protein, hFc Tag(PME100642) can bind Anti-CD74(milatuzumab biosimilar) mAb(BME100170) in a linear range of 0.64-16 ng/mL. In order to specifically detect BME100170, mouse anti-human Fab-specific antibody was used as detection antibody.



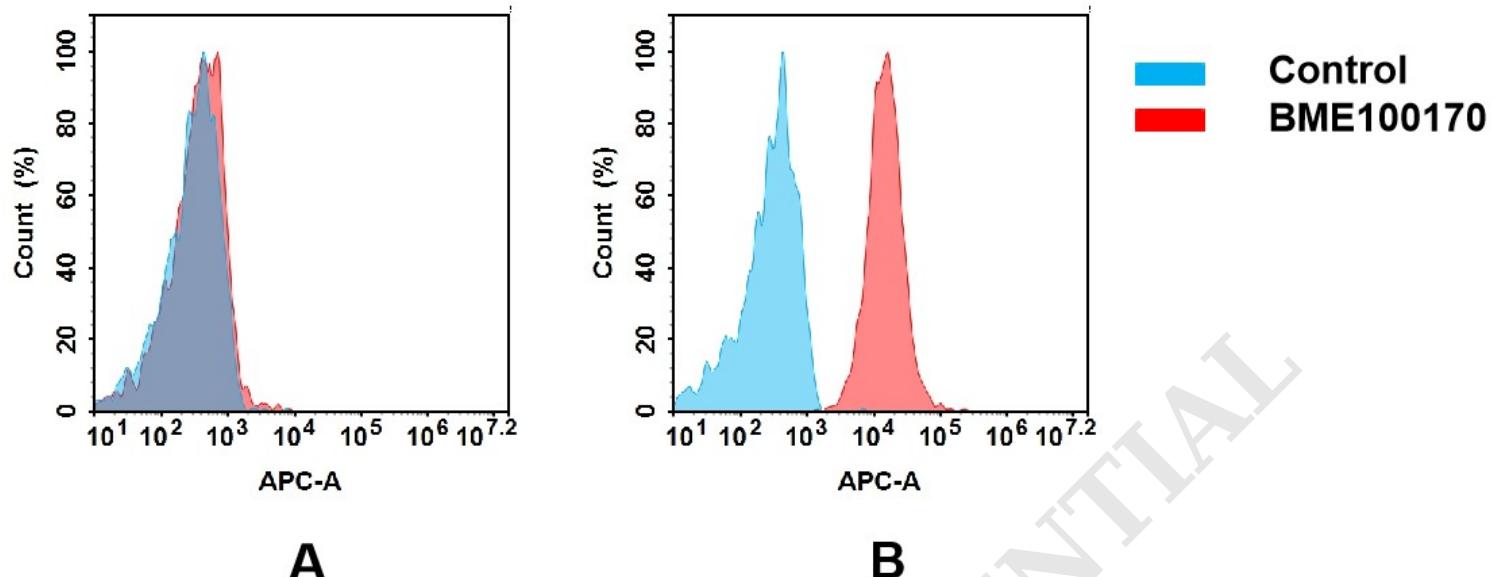


Figure 3. Flow cytometry analysis of antigen binding of anti-human CD74 mAb(BME100170).

(A) BME100170 does not bind to 293T cells that do not express CD74.

(B) A clear peak shift of BME100170 was seen compared to the control when incubated with CD74-expressing Raji cells, indicating strong binding of BME100170 to CD74. Antibodies were incubated at 5  $\mu$ g/mL.

