

**PRODUCT INFORMATION**

<b>Common Name</b>	TJ-011133, TJC-4
<b>Conjugate</b>	Unconjugated
<b>Synonyms</b>	CD47;MER6;IAP
<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>	Humanized
<b>IgG type</b>	Human IgG4 - Kappa
<b>Reactivity</b>	Human
<b>Target</b>	CD47
<b>Uniprot ID</b>	Q08722
<b>Description</b>	Anti-CD47(lemzoparlimab 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>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-CD47 (lemzoparlimab biosimilar) mAb ELISA

0.1  $\mu\text{g}$  of Human CD47, mFc-His tagged protein per well

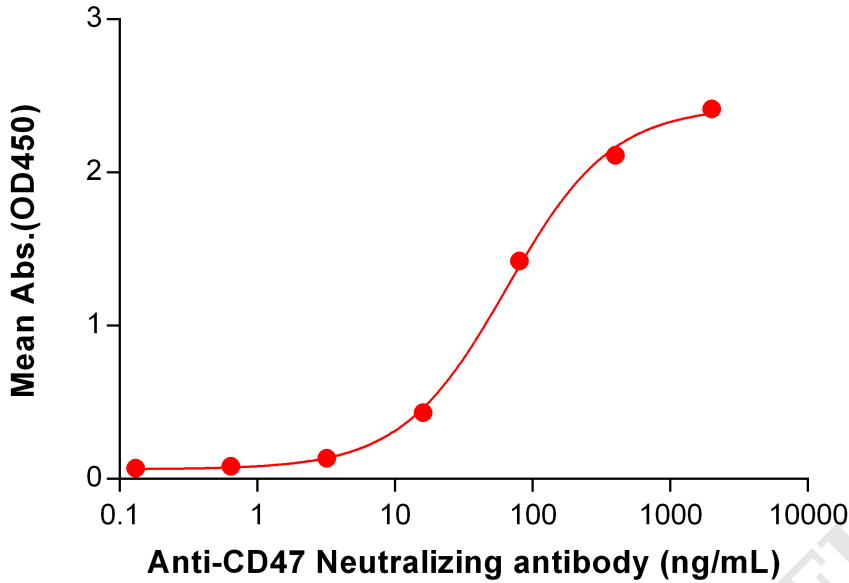


Figure 1. ELISA plate pre-coated by 1  $\mu\text{g}/\text{mL}$  (100  $\mu\text{L}/\text{well}$ ) Human CD47 protein, mFc-His Tag PME100008 can bind Anti-CD47 Neutralizing antibody (BME100076) in a linear range of 3.2-400 ng/mL.

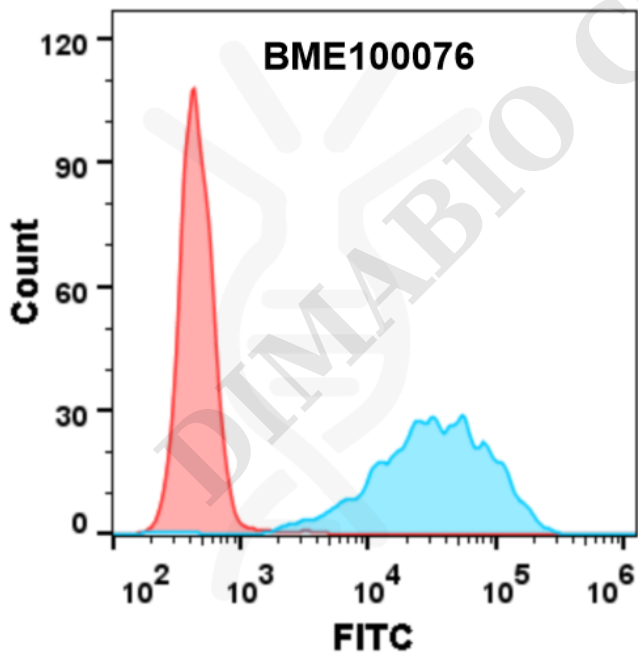


Figure 2. Jurkat cell line were surface stained with anti-CD47 (BME100076) (Blue histogram) and isotype control (Red histogram) 1 $\mu\text{g}/\text{ml}$  followed by Alexa 488-conjugated Goat anti-Human IgG secondary antibody.



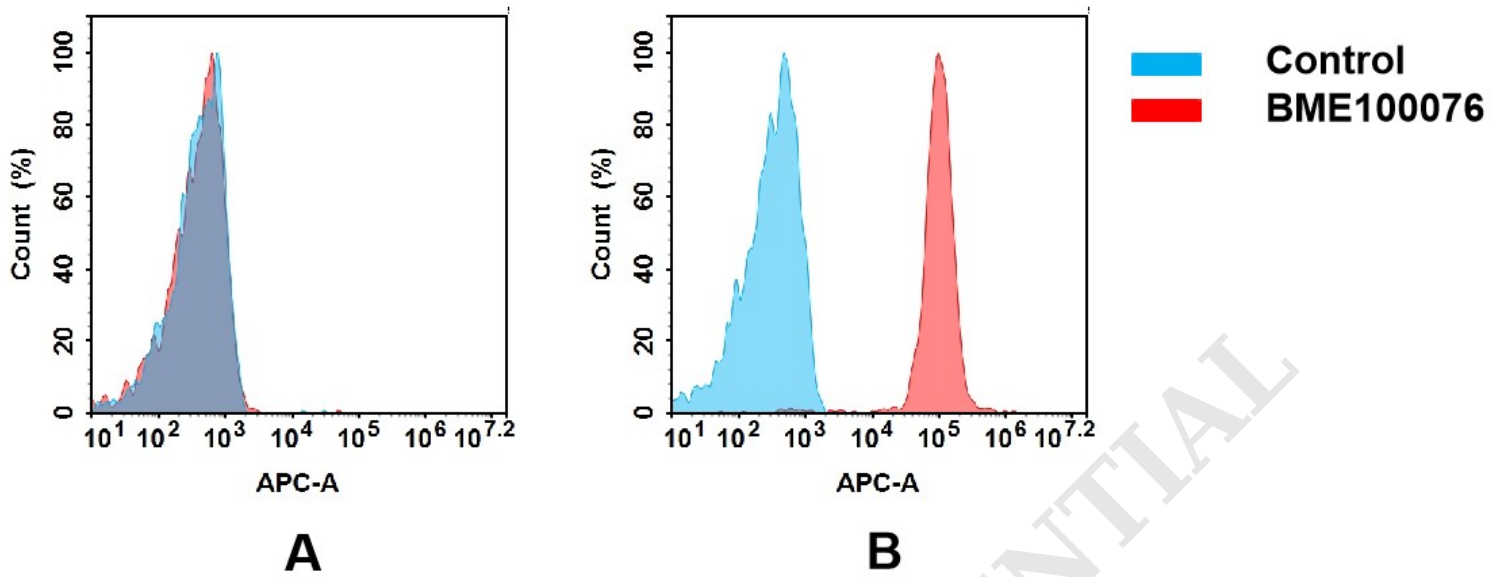


Figure 3. Flow cytometry analysis of antigen binding of anti-human CD47 mAb(BME100076).

(A) BME100076 does not bind to CHO-S cells that do not express CD47.

(B) A clear peak shift of BME100076 was seen compared to the control when incubated with CD47-expressing 8226 cells, indicating strong binding of BME100076 to CD47. Antibodies were incubated at 5  $\mu\text{g/mL}$ .

