

**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>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>	IgG4
<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>Background</b>	Research grade biosimilar. Not for use in therapeutic or diagnostic procedures for humans or animals.
<b>Usage</b>	Research use only
<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-CD47 (lemzoparlimab biosimilar) mAb ELISA

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

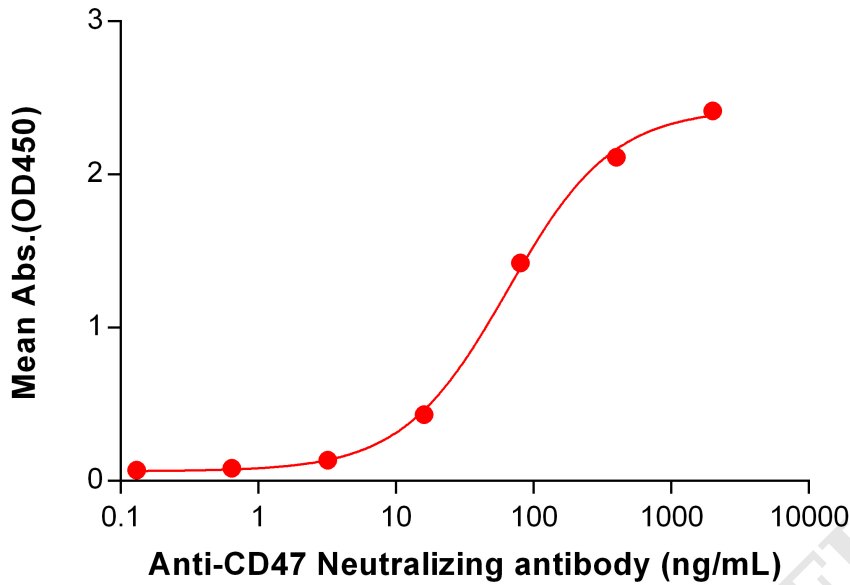


Figure 1. ELISA plate pre-coated by 1  $\mu$ g/mL (100  $\mu$ L/well) Human CD47 protein, mFc-His Tag PME100008 can bind Anti-CD47 Neutralizing antibody (BME100076) in a linear range of 3.2-400 ng/mL.

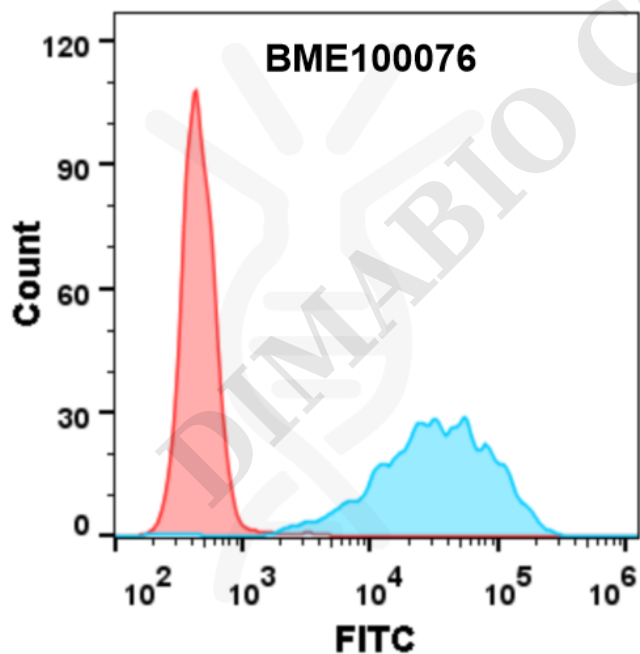


Figure 2. Jurkat cell line were surface stained with anti-CD47 (BME100076) (Blue histogram) and isotype control (Red histogram) 1 $\mu$ g/ml followed by Alexa 488-conjugated Goat anti-Human IgG secondary antibody.



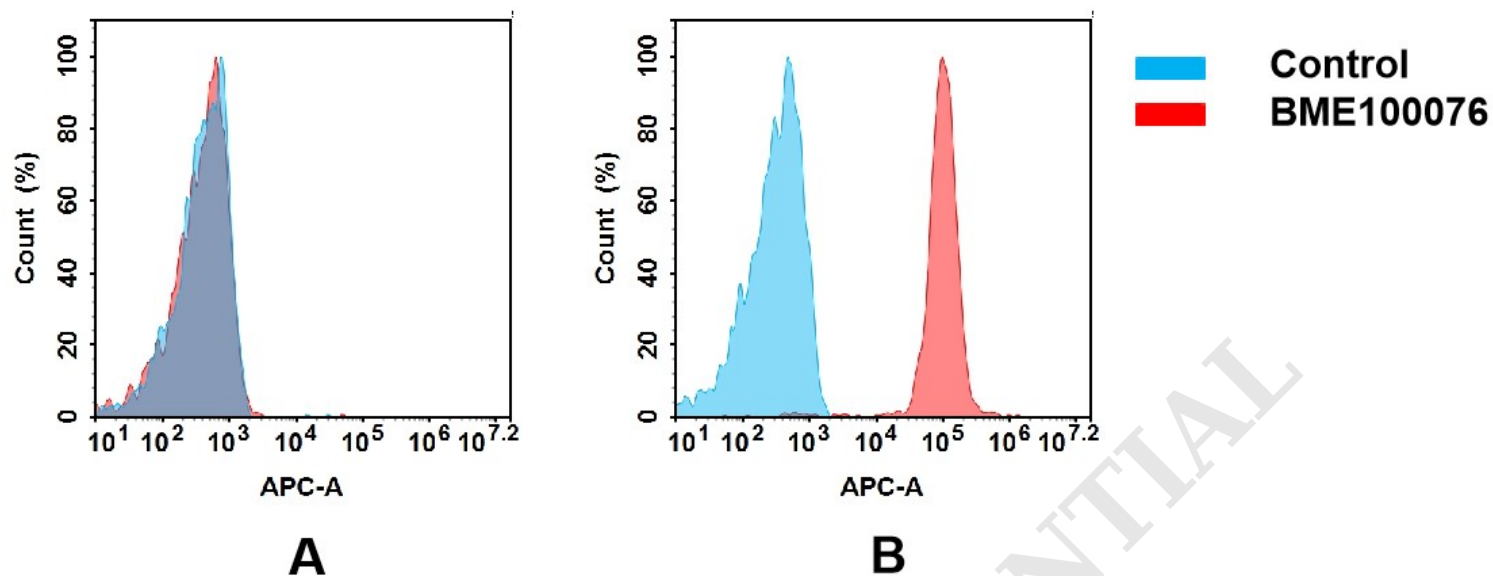


Figure 3. Flow cytometry analysis of antigen binding of anti-human CD47 mAb(BME100076).

(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  $\mu\text{g/mL}$ .

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