

PRODUCT INFORMATION

Common Name	Hu5F9-G4
Synonyms	CD47;MER6;IAP
Conjugate	Unconjugated
Applications	ELISA; Flow Cyt
Endotoxin	Less than 1.0 EU/ μ g by the LAL method. For <1 EU/mg requirements, please contact us for customization.
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	Homo sapiens
IgG type	Human IgG1 - kappa
Reactivity	Human
Target	CD47
Uniprot ID	Q08722
Description	Anti-CD47 (magrolimab biosimilar; IgG1) 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.
Sterility	Products are supplied non-sterile. For cell culture applications, dilute in appropriate medium and sterile-filter (0.22 μ m) prior to use.
Background	Research grade biosimilar. Not for use in therapeutic or diagnostic procedures for humans or animals.
Usage	Research use only



Human CD47, mFc-His tagged protein ELISA

0.1 µg of Human CD47, mFc-His tagged protein per well

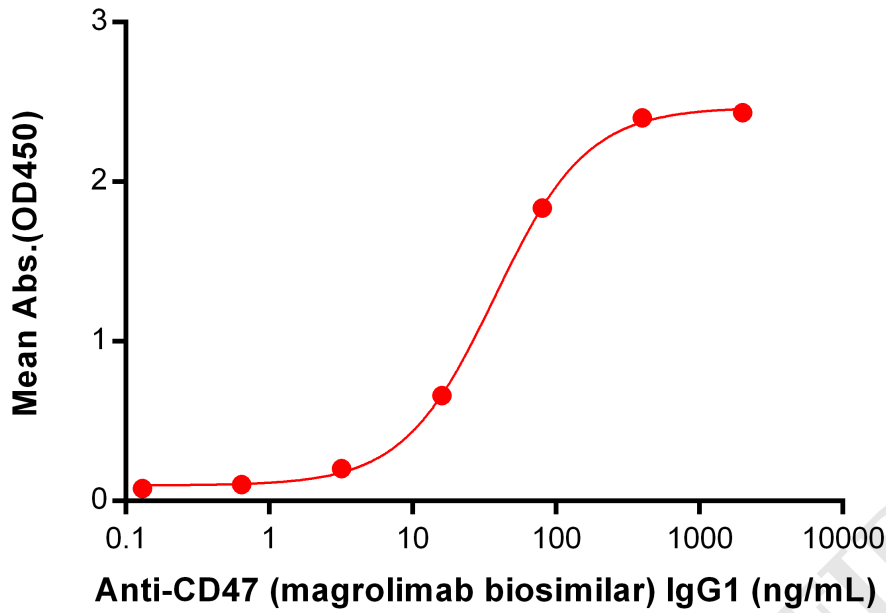


Figure 1. ELISA plate pre-coated by 1 µg/ml (100 µl/well) Human CD47, mFc-His tagged protein PME100008 can bind Anti-CD47[magrolimab biosimilar]IgG1 BME100050 in a linear range of 3.2-16.0 ng/ml.

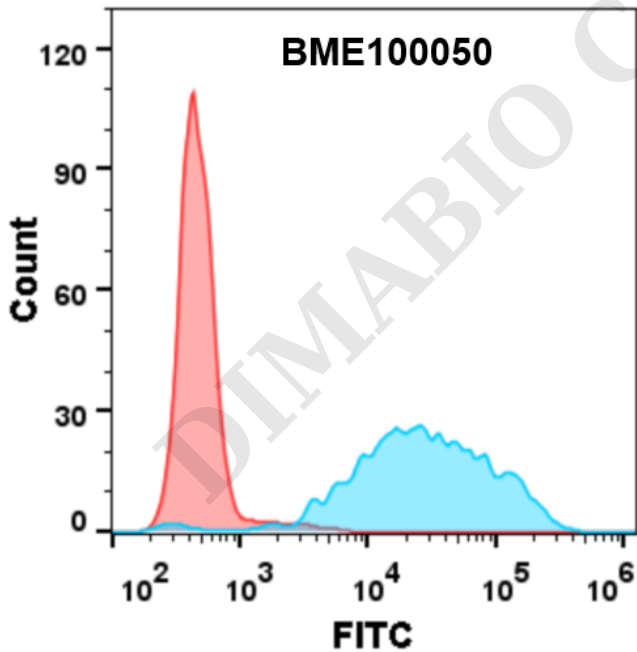


Figure 2. Jurkat cell line were surface stained with anti-CD47 (BME100050) (Blue histogram) and isotype control (Red histogram) 1µg/ml followed by Alexa 488-conjugated Goat anti-Human IgG secondary antibody.



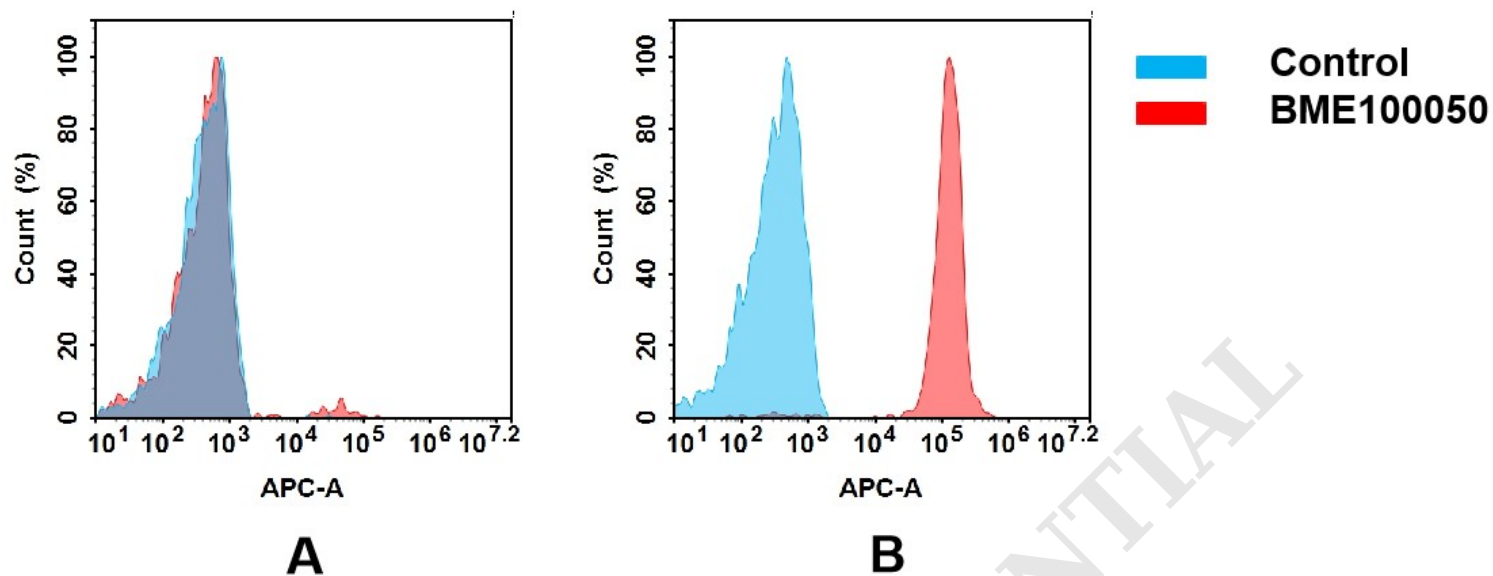


Figure 3. Flow cytometry analysis of antigen binding of anti-human CD47 mAb(BME100050).

(A) BME100050 does not bind to CHO-S cells that do not express CD47.

(B) A clear peak shift of BME100050 was seen compared to the control when incubated with CD47-expressing 8226 cells, indicating strong binding of BME100050 to CD47. Antibodies were incubated at 5 $\mu\text{g}/\text{mL}$.

