PRODUCT INFORMATION

Common Name	CSL-362-AML, CSL362, JNJ-56022473
Synonyms	CD123;IL3R;IL3RA
Conjugate	Unconjugated
Applications	ELISA; Flow Cyt
Endotoxin	Less than 1.0 EU/μg 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	Humanized
IgG type	Human IgG1 – kappa
Reactivity	Human
Target	CD123
Uniprot ID	P26951
Description	Anti-CD123 (talacotuzumab 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.
Sterility	Products are supplied non-sterile. For cell culture applications, dilute in appropriate medium and sterile-filter (0.22 μm) prior to use.
Background	Research grade biosimilar. Not for use in therapeutic or diagnostic procedures for humans or animals.
Usage	Research use only

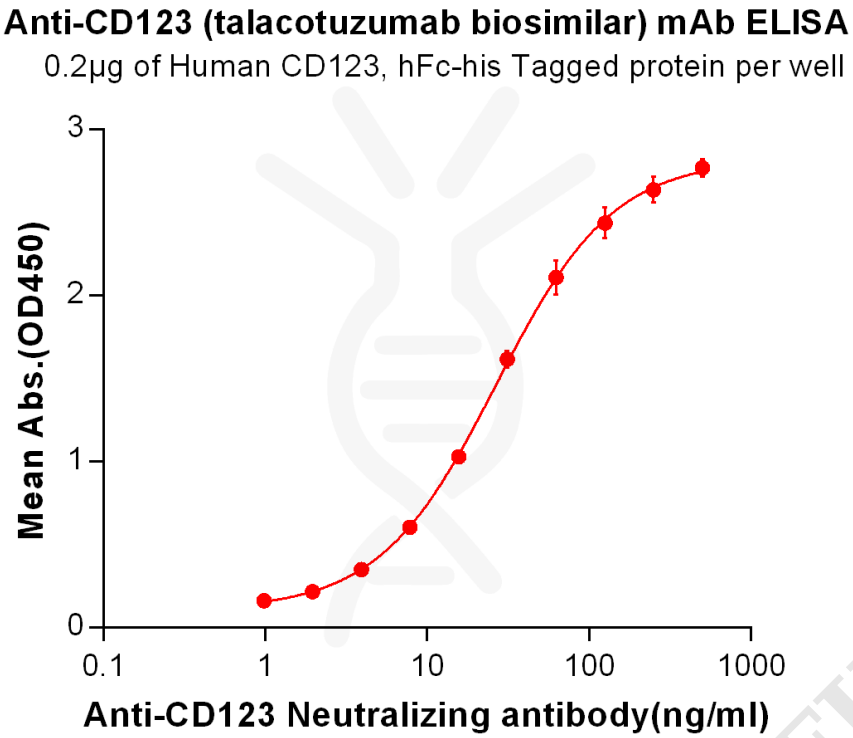

Figure 1. ELISA plate pre-coated by 2 μg/ml (100 μL/well) Human CD123, hFc-His tagged protein (PME100003) can bind Anti-CD123 Neutralizing antibody in a linear range of 0.98-26.70 ng/ml. In order to specifically detect BME100003, mouse anti-human Fab-specific antibody was used as detection antibody.

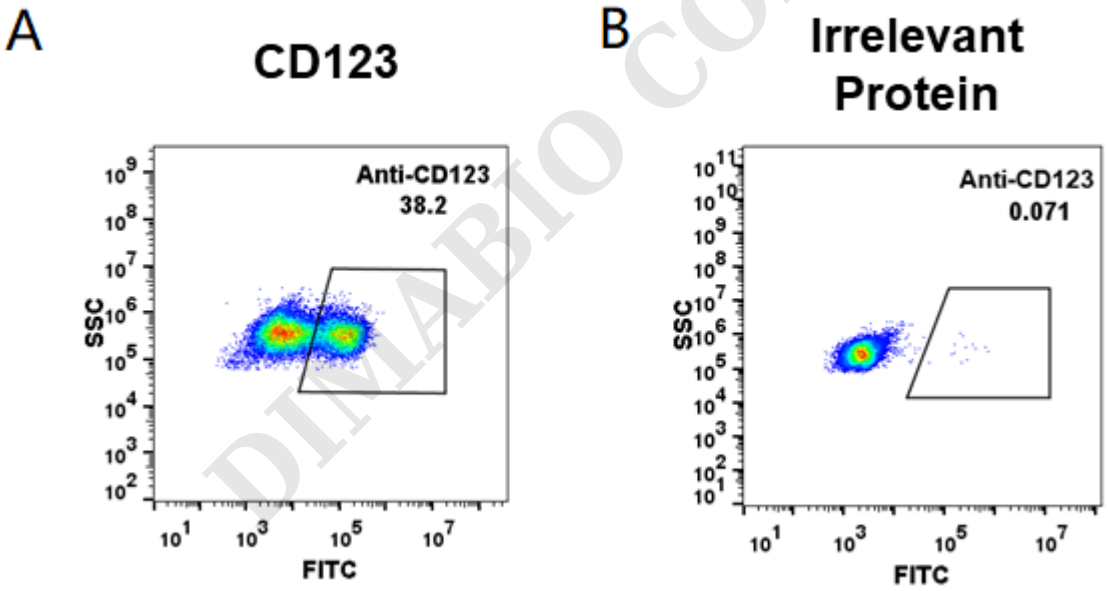

Figure 2. HEK293 cell line transfected with irrelevant protein (B) and human CD123 (A) were surface stained with anti-CD123 neutralizing antibody 1μg/ml (talacotuzumab) followed by Alexa 488-conjugated anti-human IgG secondary antibody.

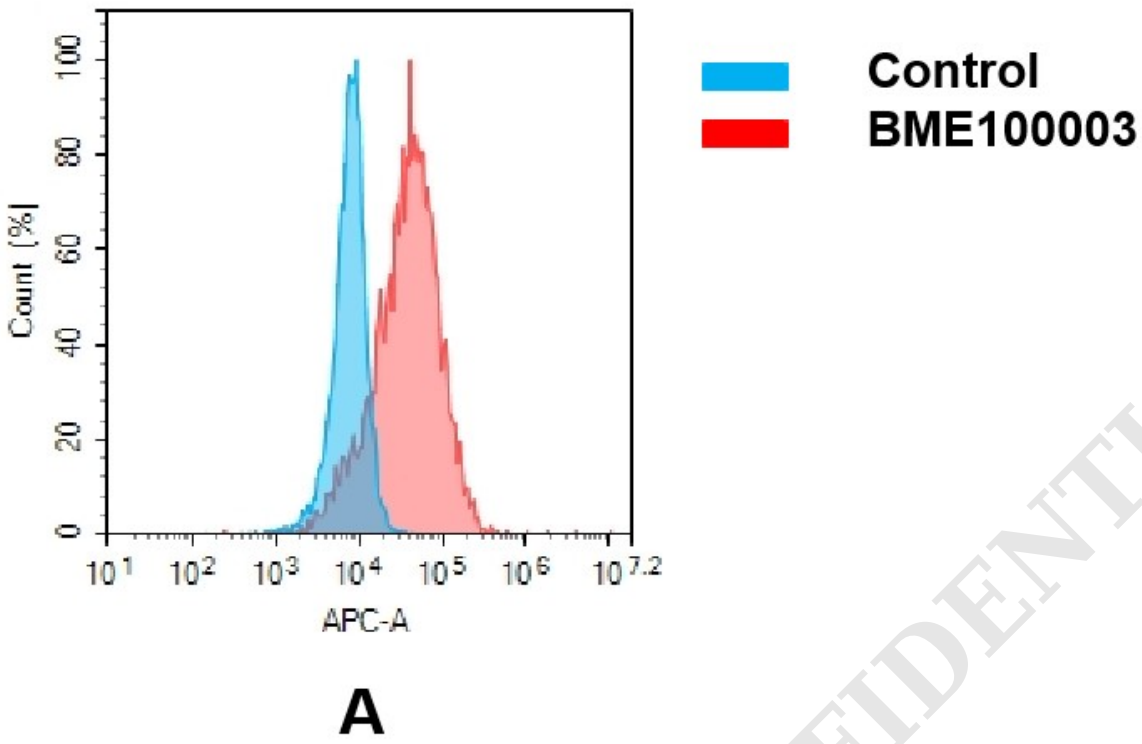

Figure 3. Flow cytometry analysis of antigen binding of anti-human CD123 mAb(BME100003).
(A) A clear peak shift of BME100003 was seen compared to the control when incubated with CD123-expressing 8226 cells, indicating strong binding of BME100003 to CD123. Antibodies were incubated at 2 μg/mL.

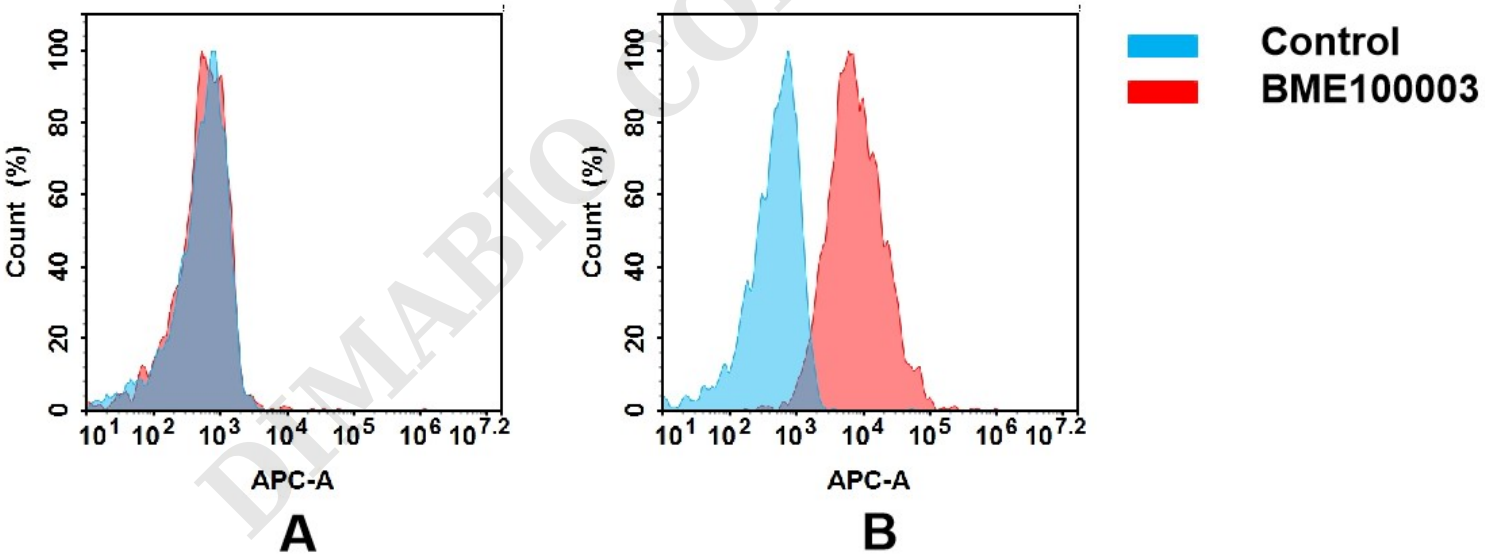

Figure 4. Flow cytometry analysis of antigen binding of anti-human CD123 mAb(BME100003).
(A) BME100003 does not bind to CHO-S cells that do not express CD123.
(B) A clear peak shift of BME100003 was seen compared to the control when incubated with CD123-expressing THP-1 cells, indicating strong binding of BME100003 to CD123. Antibodies were incubated at 5 μg/mL.