

**PRODUCT INFORMATION**

<b>Common Name</b>	CSL-362-AML, CSL362, JNJ-56022473
<b>Synonyms</b>	CD123;IL3R;IL3RA
<b>Conjugate</b>	Unconjugated
<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>	Human IgG1 - kappa
<b>Reactivity</b>	Human
<b>Target</b>	CD123
<b>Uniprot ID</b>	P26951
<b>Description</b>	Anti-CD123 (talacotuzumab 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



### Anti-CD123 (talacotuzumab biosimilar) mAb ELISA

0.2 $\mu$ g of Human CD123, hFc-his Tagged protein per well

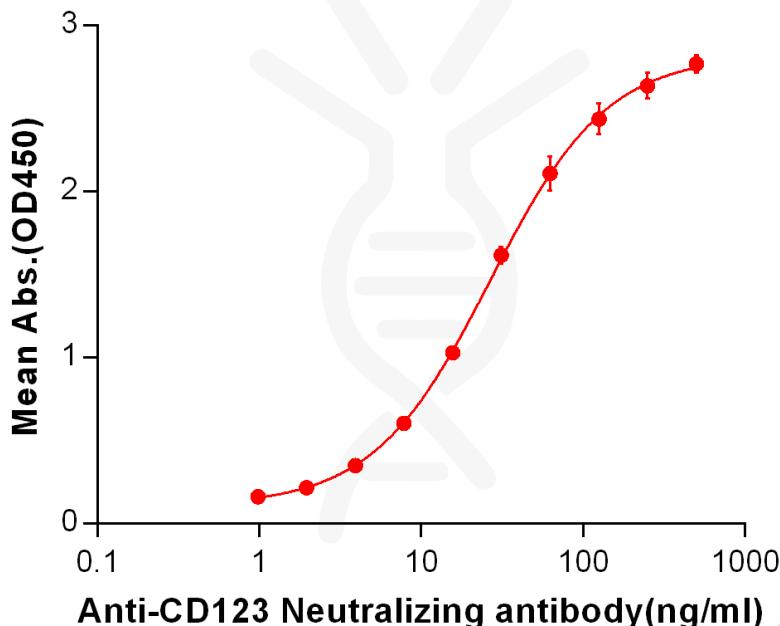


Figure 1. ELISA plate pre-coated by 2  $\mu$ g/ml (100  $\mu$ L/well) Human CD123, hFc-His tagged protein (PME100003) can bind Anti-CD123 Neutralizing antibody in a linear range of 0.98-26.70 ng/ml. In order to specifically detect BME100003, mouse anti-human Fab-specific antibody was used as detection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

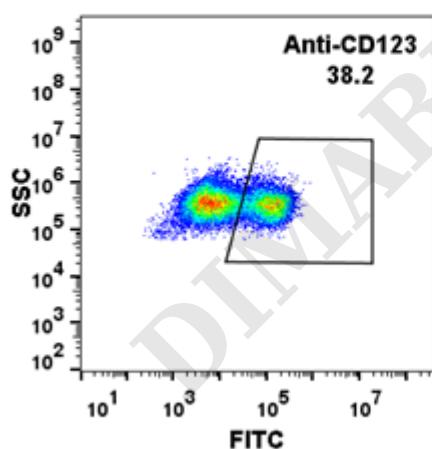
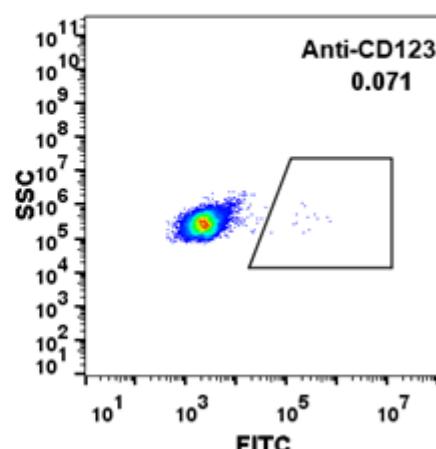
**A****CD123****B****Irrelevant Protein**

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



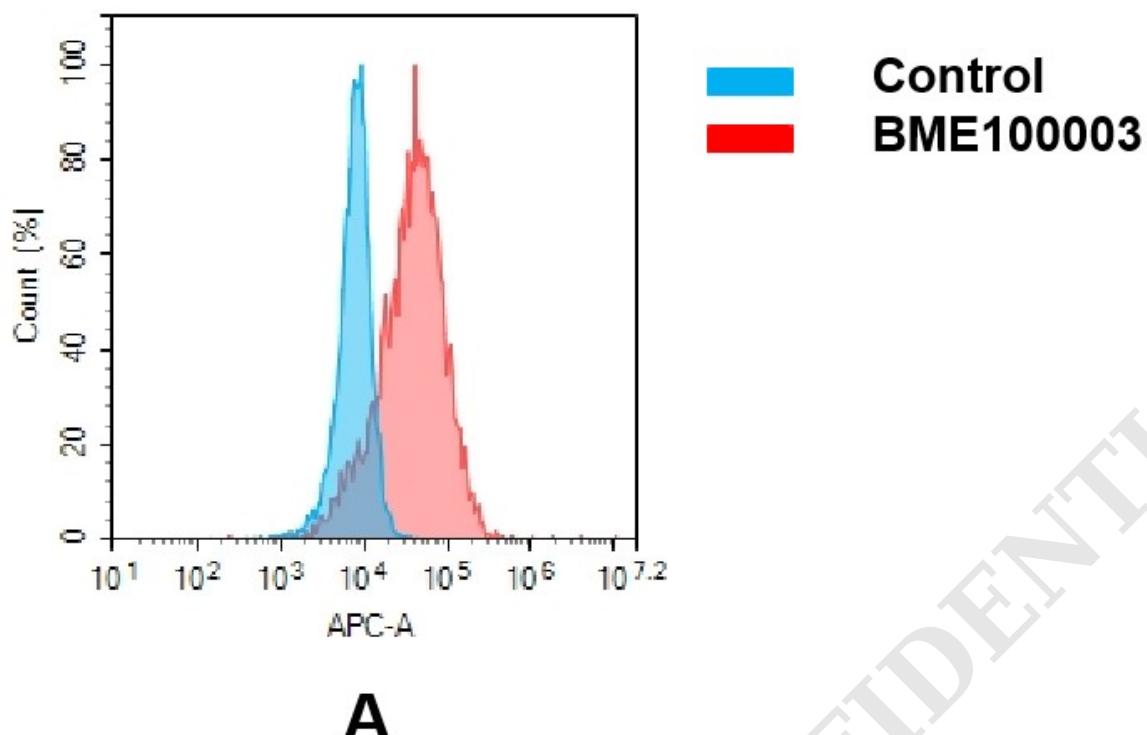


Figure 3. Flow cytometry analysis of antigen binding of anti-human CD123 mAb(BME100003).  
 (A) A clear peak shift of BME100003 was seen compared to the control when incubated with CD123-expressing 8226 cells, indicating strong binding of BME100003 to CD123. Antibodies were incubated at 2  $\mu$ g/mL.

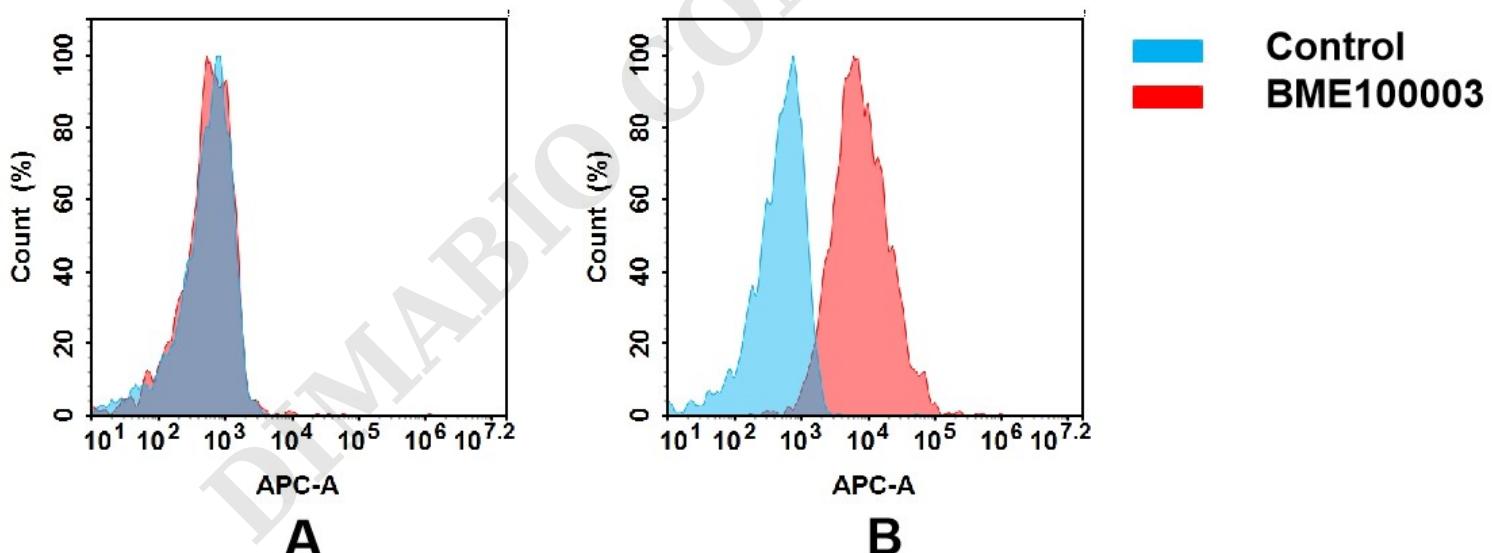


Figure 4. Flow cytometry analysis of antigen binding of anti-human CD123 mAb(BME100003).  
 (A) BME100003 does not bind to CHO-S cells that do not express CD123.  
 (B) A clear peak shift of BME100003 was seen compared to the control when incubated with CD123-expressing THP-1 cells, indicating strong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

