

**PRODUCT INFORMATION**

<b>Common Name</b>	SGN-70, h1F6
<b>Conjugate</b>	Unconjugated
<b>Synonyms</b>	CD70;CD27L;CD27LG;TNFSF7
<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>	Homo sapiens
<b>IgG type</b>	Human IgG1 - kappa
<b>Reactivity</b>	Human
<b>Target</b>	CD70
<b>Uniprot ID</b>	P32970
<b>Description</b>	Anti-CD70 (vorsetuzumab 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-CD70 (vorsetuzumab biosimilar) mAb ELISA**

0.2µg of Human CD70, mFc-His Tagged protein per well

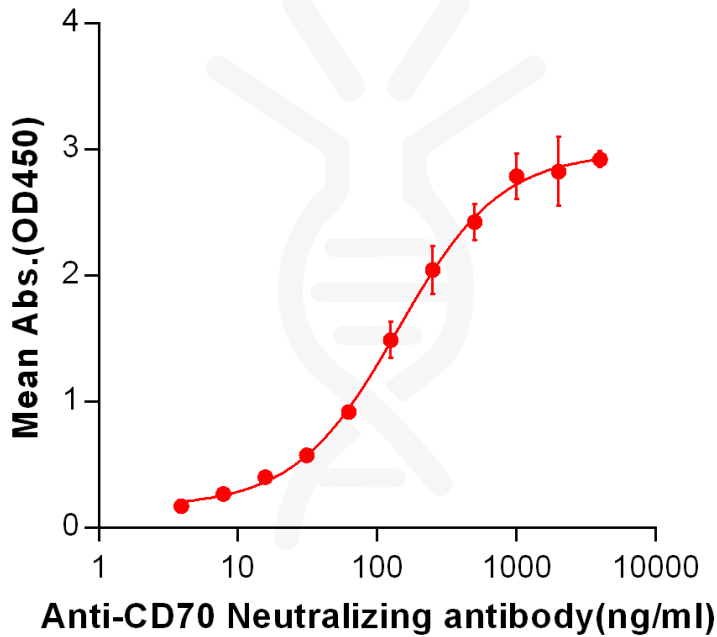


Figure 1 . ELISA plate pre-coated by 2 µg/ml (100 µl/well) Human CD70, mFc-His tagged protein PME100042 can bind Anti-CD70 Neutralizing antibody in a linear range of 3.91-139.9 ng/ml.

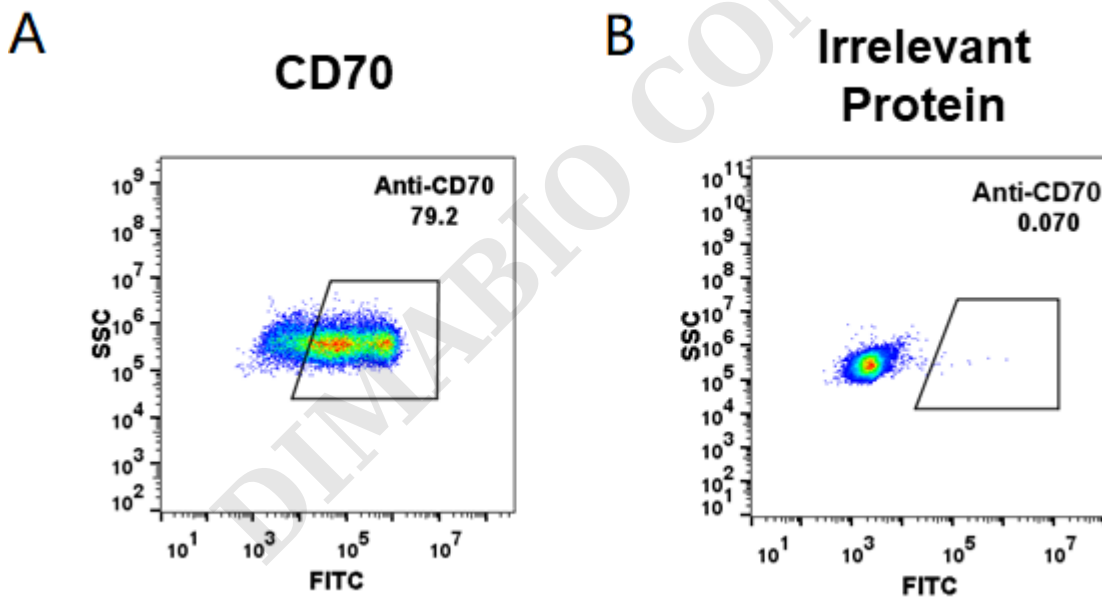


Figure 2. HEK293 cell line transfected with irrelevant protein (B) and human CD70 (A) were surface stained with anti-CD70 neutralizing antibody 1µg/ml (vorsetuzumab) followed by Alexa 488-conjugated anti-human IgG secondary antibody.



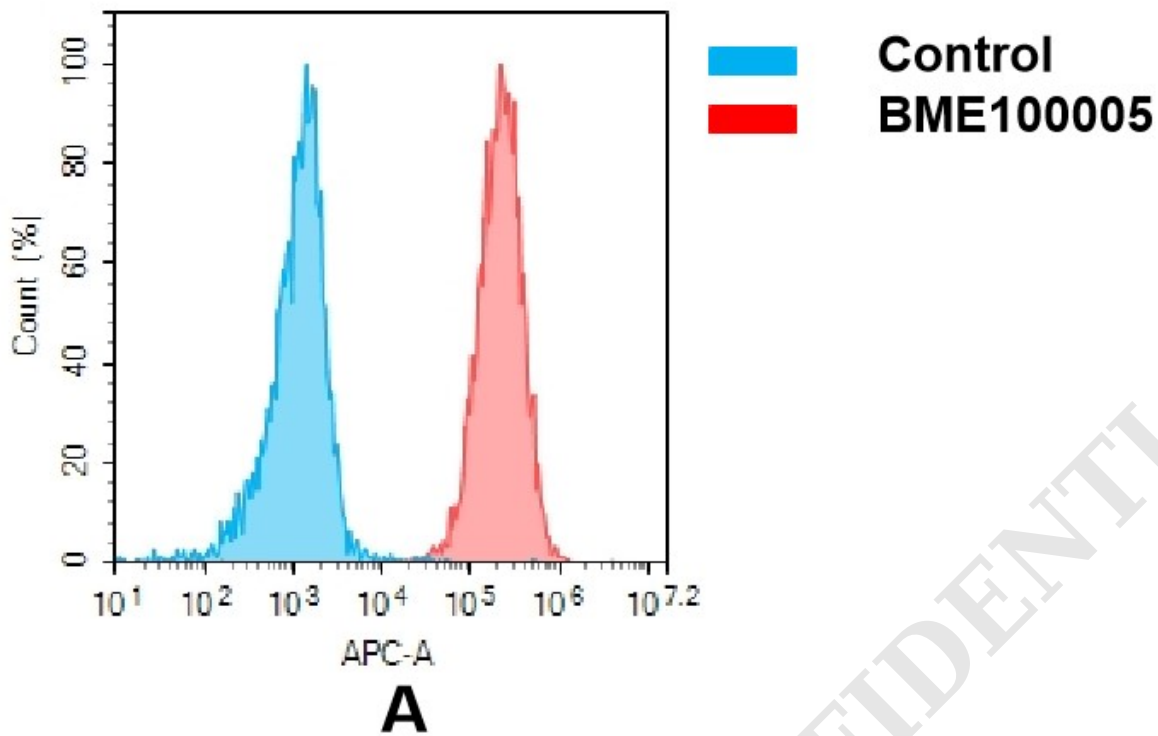


Figure 3. Flow cytometry analysis of antigen binding of anti-human CD70 mAb(BME100005).  
(A) A clear peak shift of BME100005 was seen compared to the control when incubated with CD70-expressing THP1 cells, indicating strong binding of BME100005 to CD70. Antibodies were incubated at 2  $\mu\text{g/mL}$ .

