

**PRODUCT INFORMATION**

<b>Common Name</b>	CX-191, Unconjugated mAb
<b>Conjugate</b>	Unconjugated
<b>Synonyms</b>	ALCAM;MEMD
<b>Applications</b>	Flow Cyt
<b>Recommended Dilutions</b>	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>	IgG1
<b>Reactivity</b>	Human
<b>Target</b>	CD166
<b>Uniprot ID</b>	Q13740
<b>Description</b>	Anti-CD166(praluzatamab 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. Our unconjugated biosimilar monoclonal antibodies (mAbs) are based on the sequences outlined in relevant patents or scientific publications. These antibodies are in their native, unconjugated form, meaning they do not contain any payload or therapeutic agent attached. They are designed for use in research and development, and their performance has been tested as standalone molecules through comprehensive QC tests.
<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.



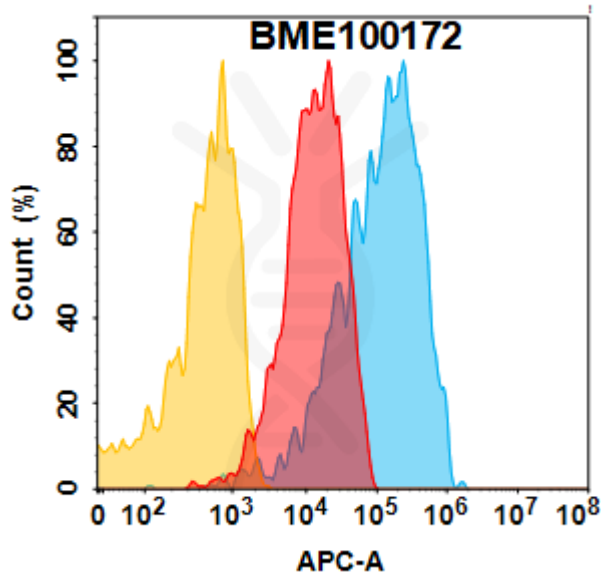


Figure 1. CD166 protein is highly expressed on the surface of Expi293 cell membrane. Flow cytometry analysis with 15 $\mu$ g/mL Anti-CD166(praluzatamab biosimilar) mAb (BME100172) on Expi293 cells transfected with Human CD166 (Blue histogram) or Expi293 transfected with irrelevant protein (Red histogram), and Isotype antibody on Expi293 transfected with irrelevant protein (Orange histogram).

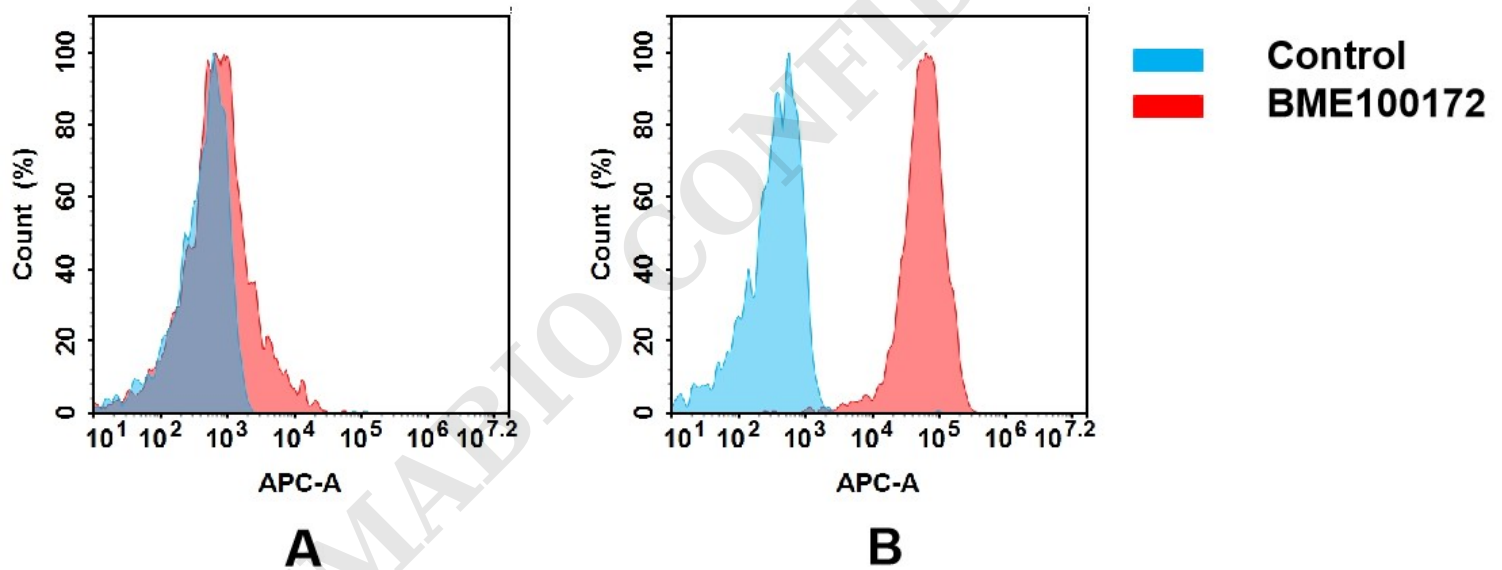


Figure 2. Flow cytometry analysis of antigen binding of anti-human CD166 mAb(BME100172).

(A) BME100172 does not bind to K562 cells that do not express CD166.

(B) A clear peak shift of BME100172 was seen compared to the control when incubated with CD166-expressing HeLa cells, indicating strong binding of BME100172 to CD166. Antibodies were incubated at 5  $\mu$ g/mL.



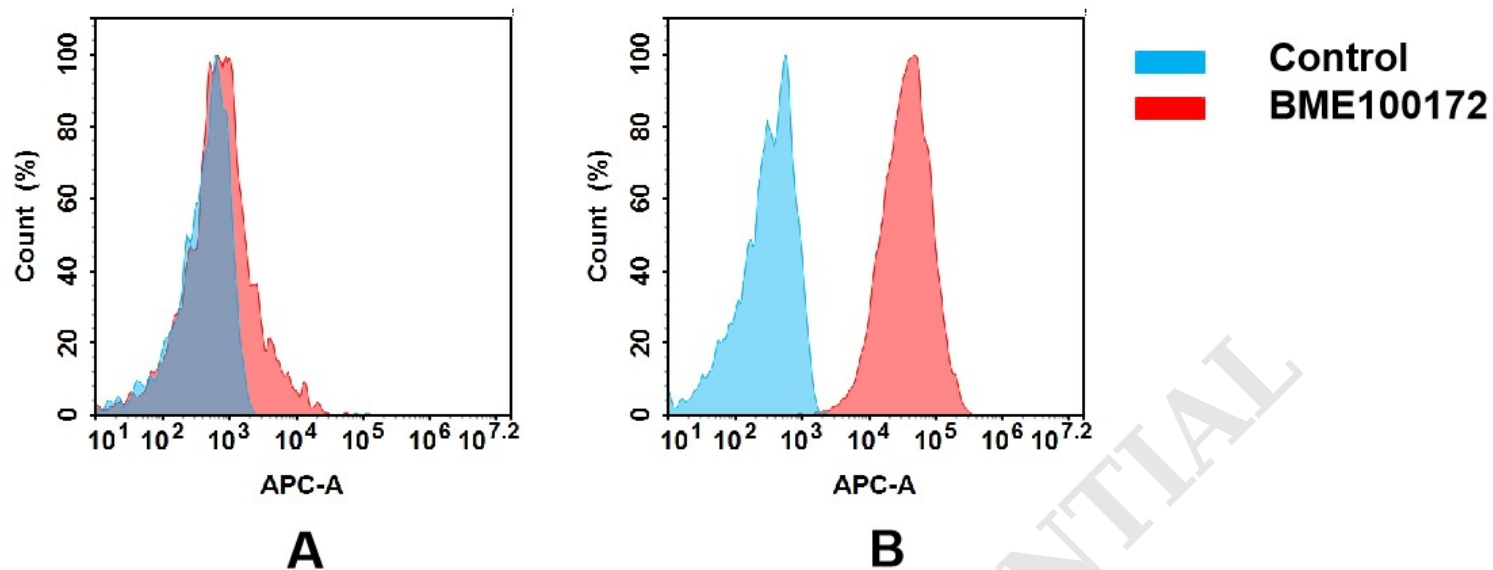


Figure 3. Flow cytometry analysis of antigen binding of anti-human CD166 mAb(BME100172).

(A) BME100172 does not bind to K562 cells that do not express CD166.

(B) A clear peak shift of BME100172 was seen compared to the control when incubated with CD166-expressing Huh7 cells, indicating strong binding of BME100172 to CD166. Antibodies were incubated at 5  $\mu$ g/mL.

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