

**PRODUCT INFORMATION**

<b>Common Name</b>	BYM338
<b>Conjugate</b>	Unconjugated
<b>Synonyms</b>	AVR2B; ACTR-IIB
<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(K214R,L234A,L235A) - Kappa
<b>Reactivity</b>	Human
<b>Target</b>	ACVR2B
<b>Uniprot ID</b>	Q13705
<b>Description</b>	Anti-ACVR2B(bimagrumab 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 antibodies 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



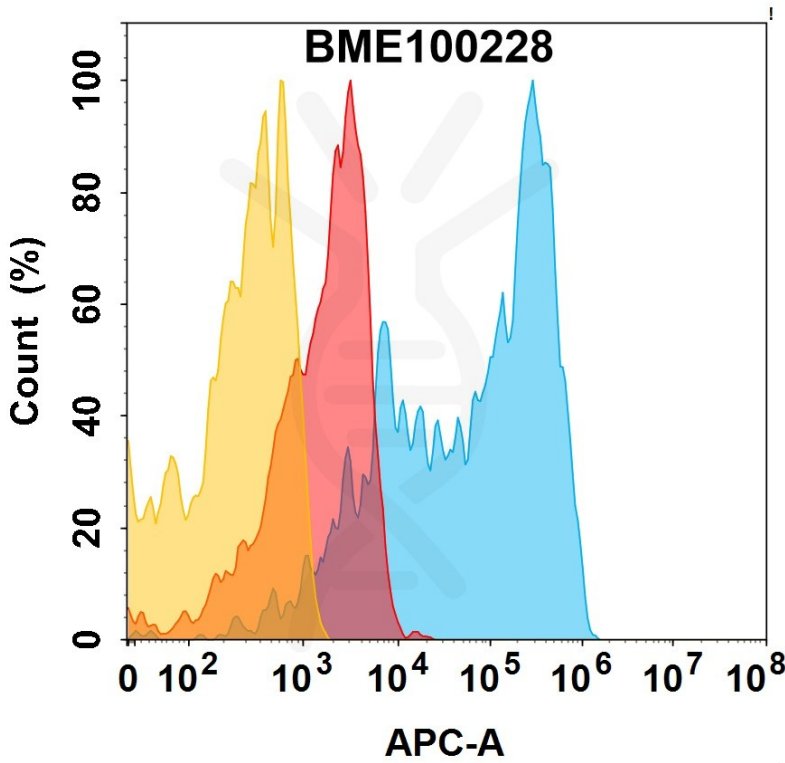


Figure 1. Flow cytometry analysis with 15 $\mu$ g/mL Anti-ACVR2B(bimagrumab biosimilar) mAb (BME100228) on HEK293 cells transfected with Human ACVR2B protein (Blue histogram) or HEK293 transfected with irrelevant protein (Red histogram).

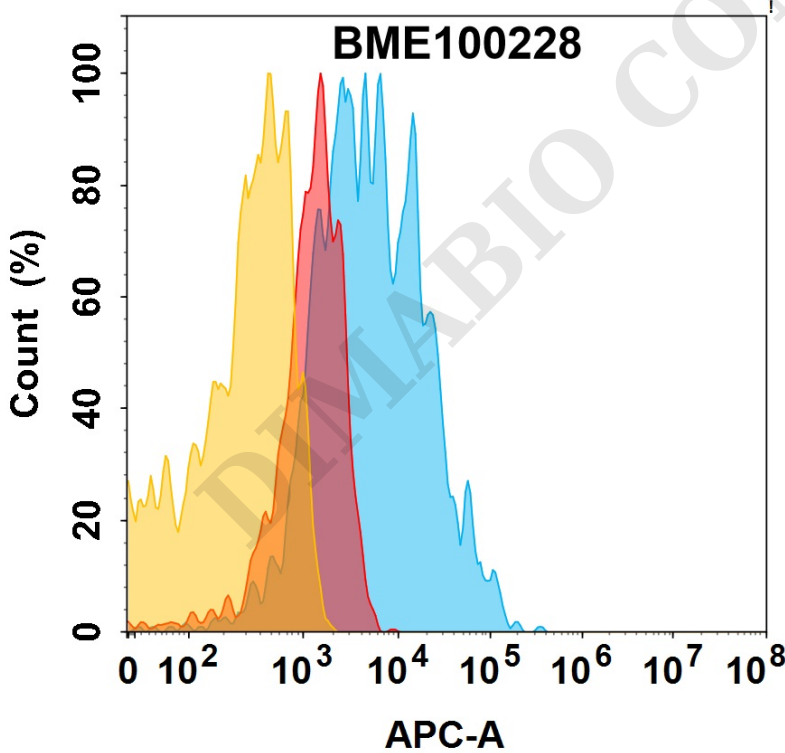


Figure 2. Flow cytometry analysis with 1 $\mu$ g/mL Anti-ACVR2B(bimagrumab biosimilar) mAb (BME100228) on HEK293 cells transfected with Human ACVR2A protein (Blue histogram) or HEK293 transfected with irrelevant protein (Red histogram).



### Anti-ACVR2B(bimagrumab biosimilar) mAb ELISA

0.2  $\mu$ g of Human ACVR2B, hFc tagged protein per well

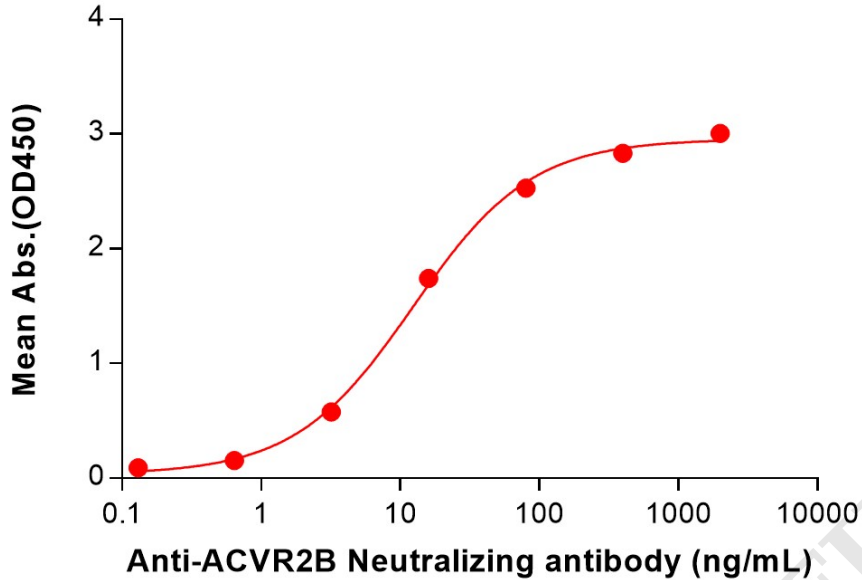


Figure 3. ELISA plate pre-coated by 2  $\mu$ g/mL (100  $\mu$ L/well) Human ACVR2B Protein, hFc Tag (PME101551) can bind Anti-ACVR2B(bimagrumab biosimilar) mAb (BME100228) in a linear range of 0.64–80 ng/mL. In order to specifically detect BME100228, mouse anti-human Fab-specific antibody was used as detection antibody.

### Anti-ACVR2B(bimagrumab biosimilar) mAb ELISA

0.2  $\mu$ g of Human ACVR2A(20-135), His tagged protein per well

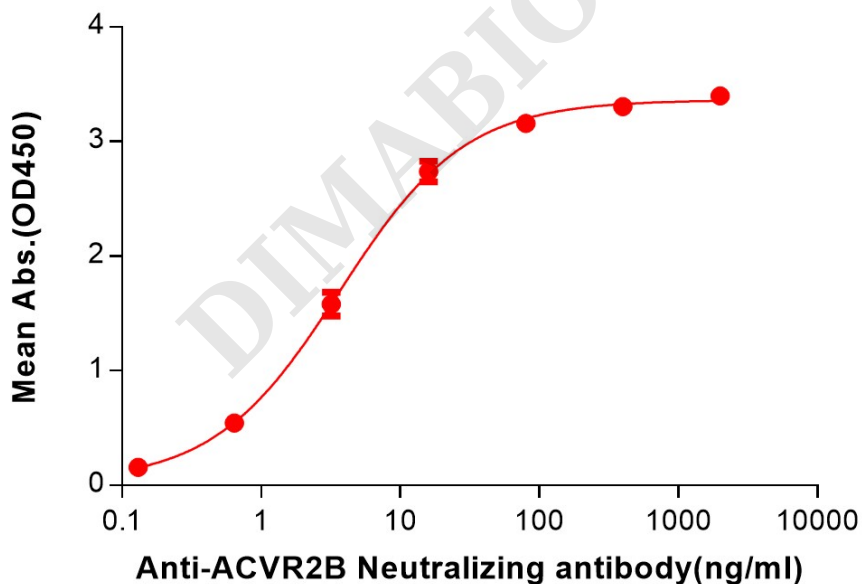


Figure 4. ELISA plate pre-coated by 2  $\mu$ g/mL (100  $\mu$ L/well) Human ACVR2A(20-135) Protein, His Tag (PME101716) can bind Anti-ACVR2B(bimagrumab biosimilar) mAb (BME100228) in a linear range of 0.13–16 ng/mL.



### Anti-ACVR2B(bimagrumab biosimilar) mAb ELISA

0.2  $\mu$ g of Human ACVR2B(19-137), His tagged protein per well

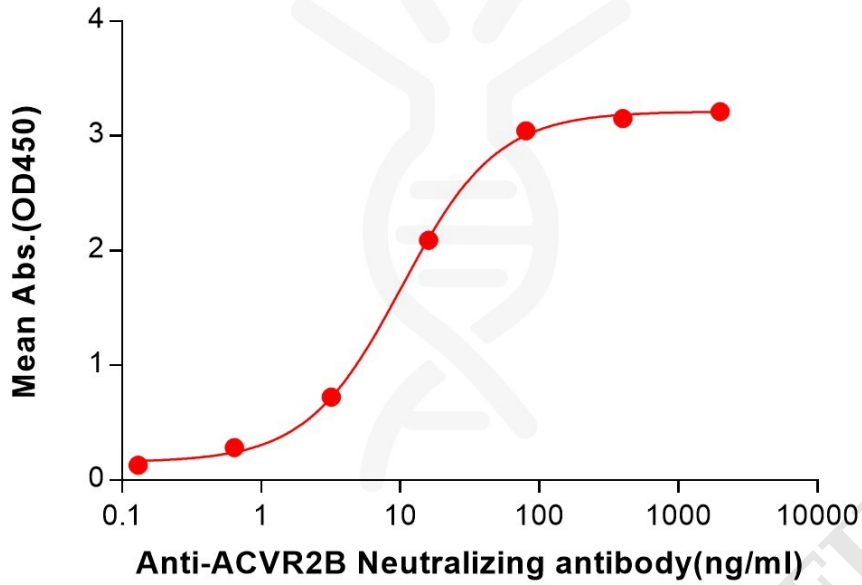


Figure 5. ELISA plate pre-coated by 2  $\mu$ g/mL (100  $\mu$ L/well) Human ACVR2B(19-137) Protein, His Tag (PME101717) can bind Anti-ACVR2B(bimagrumab biosimilar) mAb (BME100228) in a linear range of 0.64-80 ng/mL.

