

PRODUCT INFORMATION

Common Name	BYM338
Conjugate	Unconjugated
Synonyms	AVR2B; ACTR-IIB
Applications	ELISA, Flow Cyt
Endotoxin	Less than 1.0 EU/ μ g 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	Homo sapiens
IgG type	Human IgG1(K214R,L234A,L235A) - Kappa
Reactivity	Human
Target	ACVR2B
Uniprot ID	Q13705
Description	Anti-ACVR2B(bimagrumab 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 antibodies are shipped at ambient temperature.
Sterility	Products are supplied non-sterile. For cell culture applications, dilute in appropriate medium and sterile-filter (0.22 μ m) prior to use.
Background	Research grade biosimilar. Not for use in therapeutic or diagnostic procedures for humans or animals.
Usage	Research use only



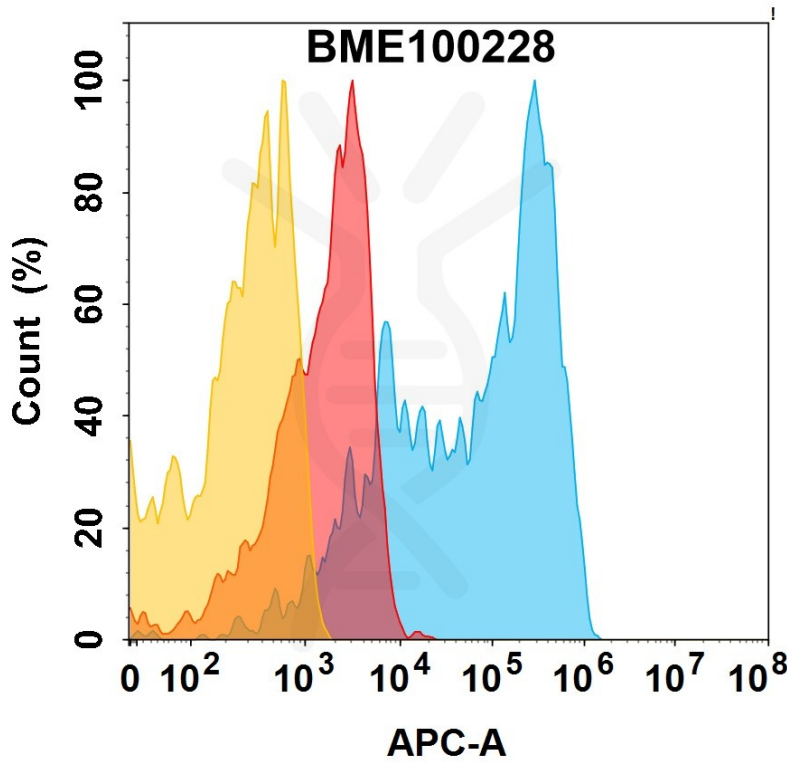


Figure 1. Flow cytometry analysis with 15 μ g/mL Anti-ACVR2B(bimagrumab biosimilar) mAb (BME100228) on HEK293 cells transfected with Human ACVR2B protein (Blue histogram) or HEK293 transfected with irrelevant protein (Red histogram).

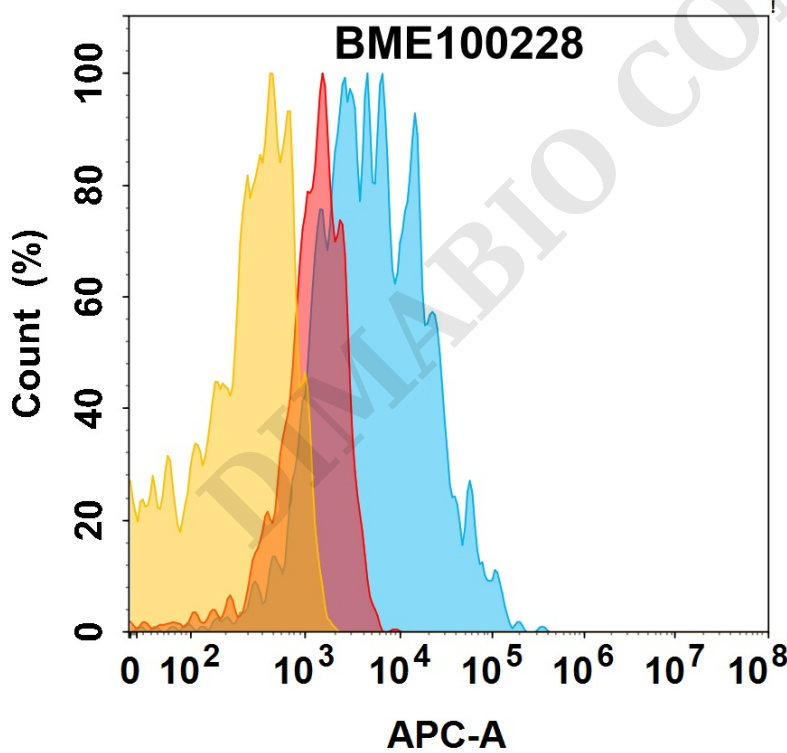


Figure 2. Flow cytometry analysis with 1 μ g/mL Anti-ACVR2B(bimagrumab biosimilar) mAb (BME100228) on HEK293 cells transfected with Human ACVR2A protein (Blue histogram) or HEK293 transfected with irrelevant protein (Red histogram).



Anti-ACVR2B(bimagrumab biosimilar) mAb ELISA

0.2 µg of Human ACVR2B, hFc tagged protein per well

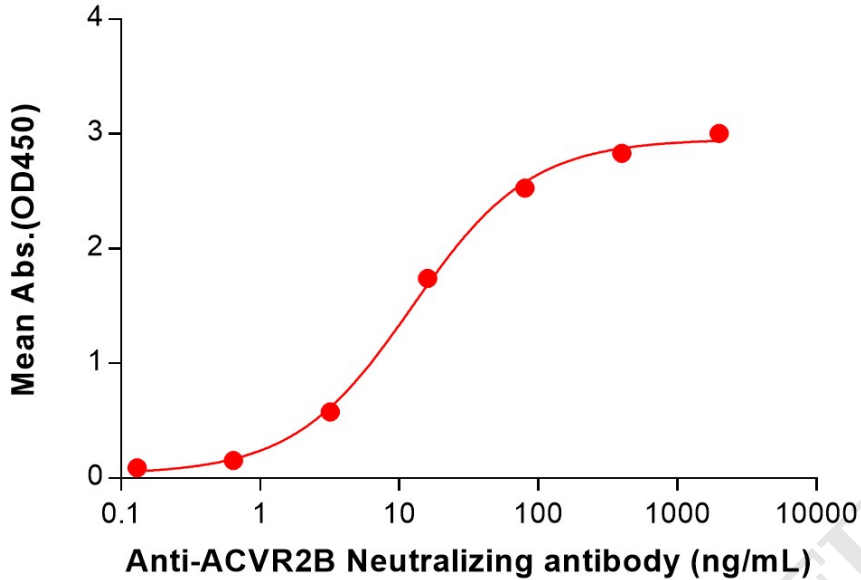


Figure 3. ELISA plate pre-coated by 2 µg/mL (100 µL/well) Human ACVR2B Protein, hFc Tag (PME101551) can bind Anti-ACVR2B(bimagrumab biosimilar) mAb (BME100228) in a linear range of 0.64–80 ng/mL. In order to specifically detect BME100228, mouse anti-human Fab-specific antibody was used as detection antibody.

Anti-ACVR2B(bimagrumab biosimilar) mAb ELISA

0.2 µg of Human ACVR2A(20-135), His tagged protein per well

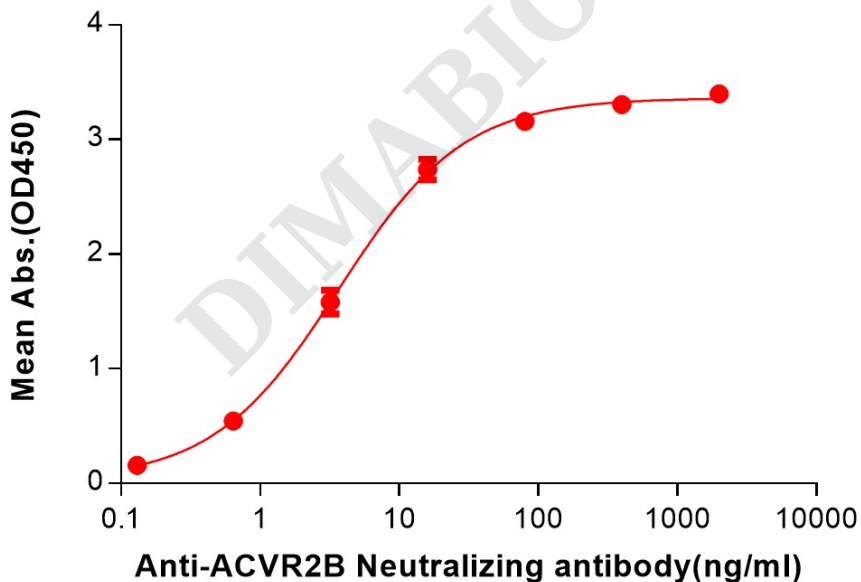


Figure 4. ELISA plate pre-coated by 2 µg/mL (100 µL/well) Human ACVR2A(20-135) Protein, His Tag (PME101716) can bind Anti-ACVR2B(bimagrumab biosimilar) mAb (BME100228) in a linear range of 0.13–16 ng/mL.



Anti-ACVR2B(bimagrumab biosimilar) mAb ELISA

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

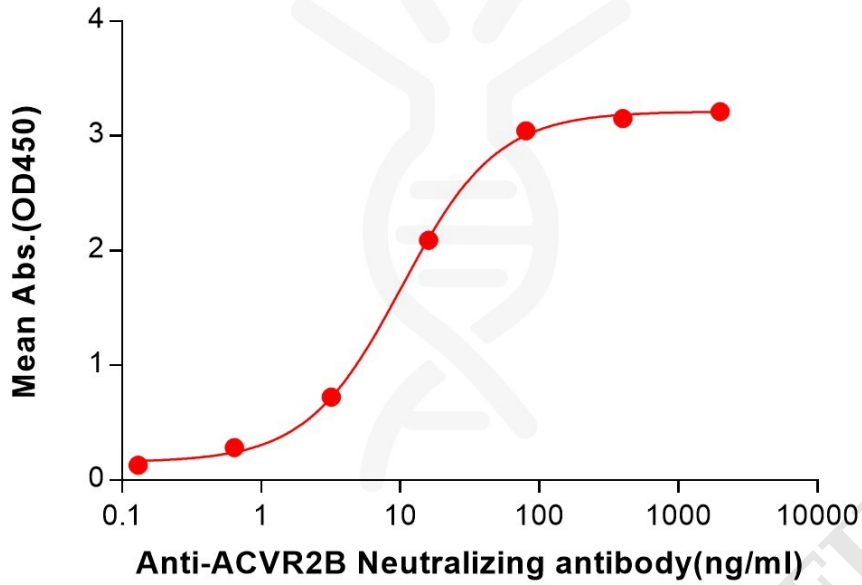


Figure 5. ELISA plate pre-coated by 2 μ g/mL (100 μ L/well) Human ACVR2B(19-137) Protein, His Tag (PME101717) can bind Anti-ACVR2B(bimagrumab biosimilar) mAb (BME100228) in a linear range of 0.64-80 ng/mL.

