

**PRODUCT INFORMATION**

<b>Common Name</b>	RO5541077□RG-7596
<b>Synonyms</b>	B29;IGB
<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.
<b>Host Species</b>	Humanized
<b>IgG type</b>	IgG1
<b>Reactivity</b>	Human
<b>Target</b>	CD79B
<b>Uniprot ID</b>	P40259
<b>Description</b>	Anti-CD79B(polatuzumab 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
<b>Conjugate</b>	Unconjugated
<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.



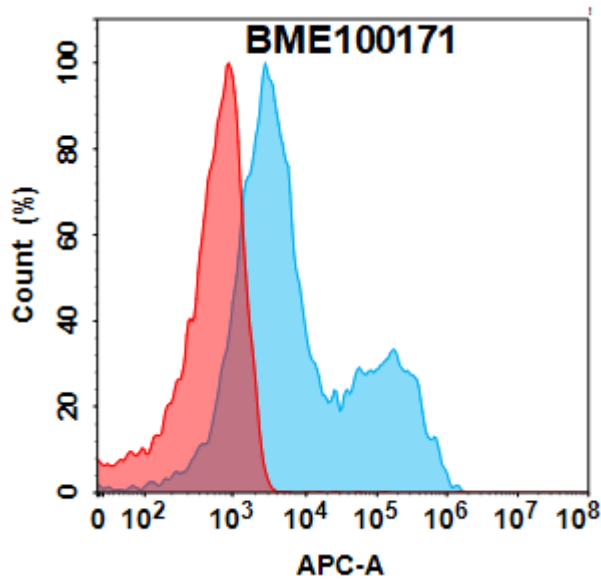


Figure 1. Flow cytometry analysis with 15 $\mu$ g/mL Anti-CD79B(polatuzumab biosimilar) mAb (BME100171) on Expi293 cells transfected with Human CD79B protein (Blue histogram) or Expi293 transfected with irrelevant protein (Red histogram).

### Anti-CD79B(polatuzumab biosimilar) mAb ELISA

0.2  $\mu$ g of Human CD79B,hFc tagged protein per well

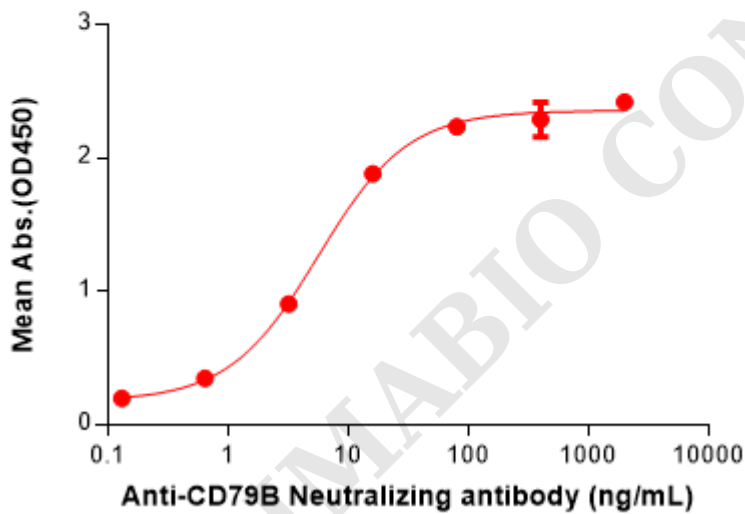


Figure 2. ELISA plate pre-coated by 2  $\mu$ g/mL (100  $\mu$ L/well) Human CD79B Protein, hFc Tag(PME101089) can bind Anti-CD79B(polatuzumab biosimilar) mAb(BME100171) in a linear range of 0.64–16 ng/mL. In order to specifically detect BME100171, mouse anti-human Fab-specific antibody was used as detection antibody.



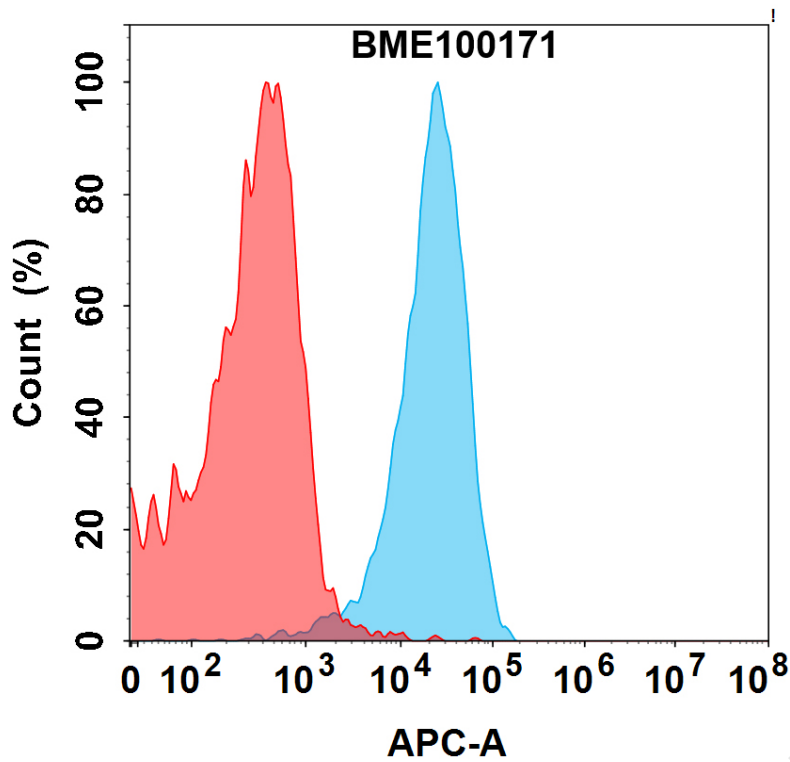


Figure 3. Flow cytometry analysis of antigen binding of anti-human CD79B mAb(BME100171).

(A) BME100171 does not bind to 293T cells that do not express CD79B.

(B) A clear peak shift of BME100171 was seen compared to the control when incubated with CD79B-expressing Raji cells, indicating strong binding of BME100171 to CD79B. Antibodies were incubated at 5 µg/mL.

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