

**PRODUCT INFORMATION**

<b>Common Name</b>	RO5541077□RG-7596, Unconjugated mAb
<b>Conjugate</b>	Unconjugated
<b>Synonyms</b>	B29;IGB
<b>Applications</b>	ELISA, Flow Cyt
<b>Endotoxin</b>	Less than 1.0 EU/μg 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.
<b>Host Species</b>	Humanized
<b>IgG type</b>	Human IgG1 - kappa
<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. 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



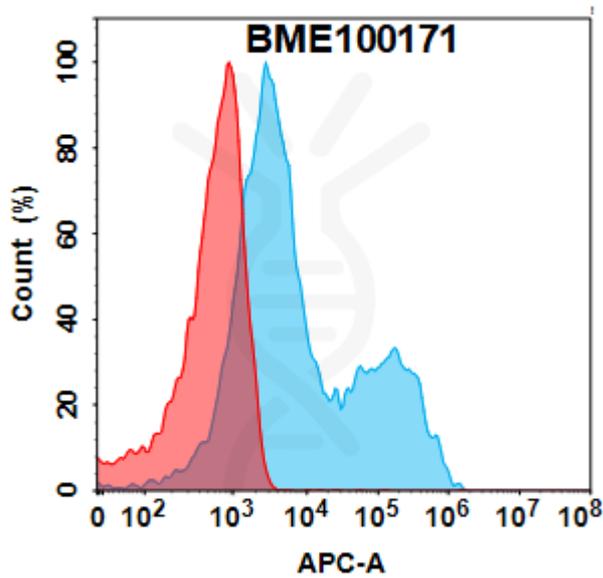


Figure 1. Flow cytometry analysis with 15 $\mu$ g/mL Anti-CD79B(polatuzumab biosimilar) mAb (BME100171) on HEK293 cells transfected with Human CD79B protein (Blue histogram) or HEK293 transfected with irrelevant protein (Red histogram).

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

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

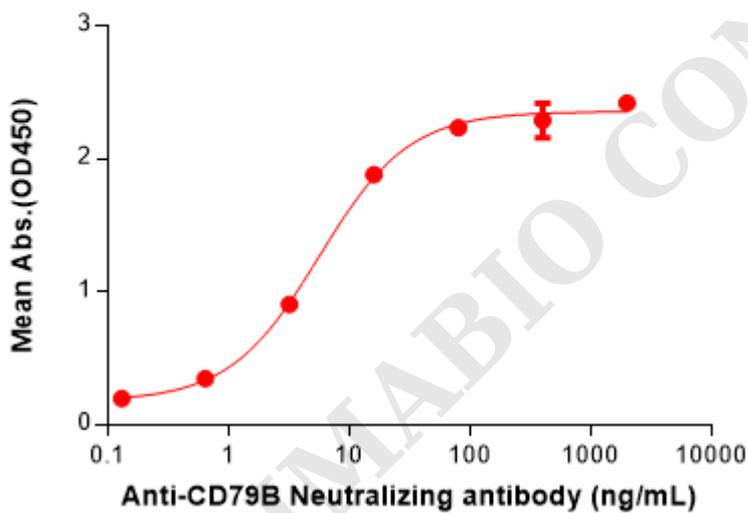


Figure 2. ELISA plate pre-coated by 2  $\mu$ g/mL (100  $\mu$ L/well) Human CD79B Protein, hFc Tag(PME101089) can bind Anti-CD79B(polatuzumab biosimilar) mAb(BME100171) in a linear range of 0.64–16 ng/mL. In order to specifically detect BME100171, mouse anti-human Fab-specific antibody was used as detection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



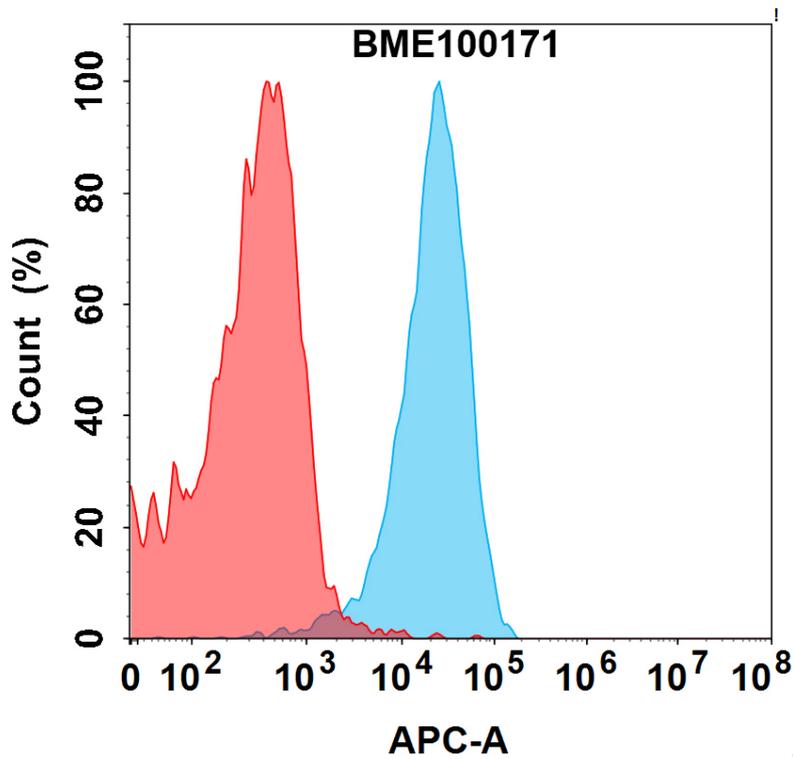


Figure 3. Flow cytometry analysis of antigen binding of anti-human CD79B mAb(BME100171).

(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.

