PRODUCT INFORMATION

Common Name	RO5541077□RG-7596, Unconjugated mAb
Conjugate	Unconjugated
Synonyms	B29;IGB
Applications	ELISA, Flow Cyt
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.
Host Species	Humanized
IgG type	Human IgG1 – kappa
Reactivity	Human
Target	CD79B
Uniprot ID	P40259
Description	Anti-CD79B(polatuzumab 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 proteins are shipped at ambient temperature.
Background	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.
Usage	Research use only

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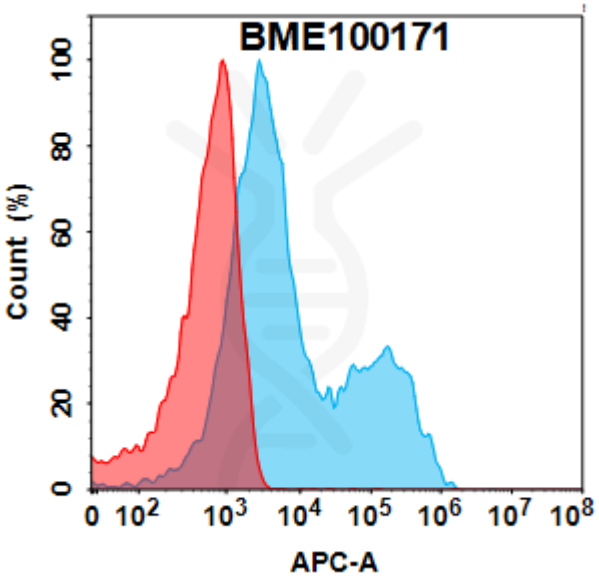

Figure 1. Flow cytometry analysis with 15μg/mL Anti-CD79B(polatuzumab biosimilar) mAb (BME100171) on HEK293 cells transfected with Human CD79B protein (Blue histogram) or HEK293 transfected with irrelevant protein (Red histogram).

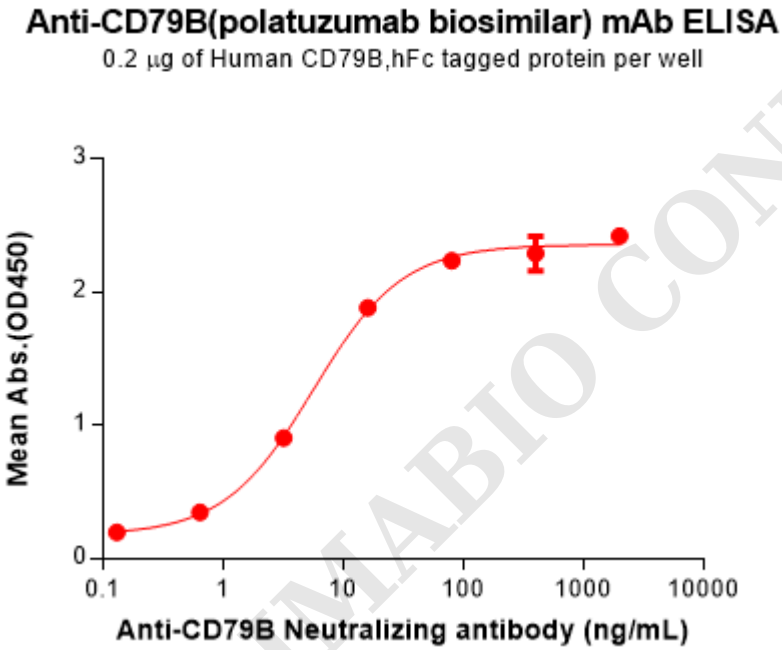

Figure 2. ELISA plate pre-coated by 2 μg/mL (100 μL/well) Human CD79B Protein, hFc Tag(PME101089) can bind Anti-CD79B(polatuzumab biosimilar) mAb(BME100171) in a linear range of 0.64–16 ng/mL. In order to specifically detect BME100171, mouse anti-human Fab-specific antibody was used as detection antibody.

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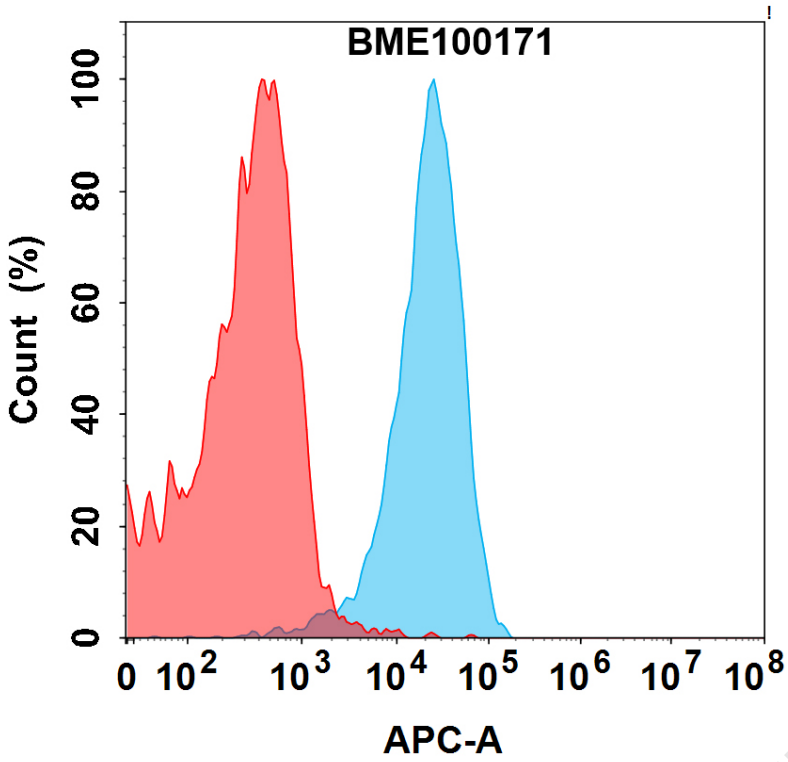

Figure 3. Flow cytometry analysis of antigen binding of anti-human CD79B mAb(BME100171).
(A) BME100171 does not bind to 293T cells that do not express CD79B.
(B) A clear peak shift of BME100171 was seen compared to the control when incubated with CD79B-expressing Raji cells, indicating strong binding of BME100171 to CD79B. Antibodies were incubated at 5 μg/mL.

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