

## **PRODUCT INFORMATION**

Synonyms

Conjugate Unconjugated Recommended Dilutions Flow Cyt 1:100

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. Formulation & Reconstitution

**Host Species** Humanized IgG type Reactivity Human IgG4 - Kappa Human Target Uniprot ID CD33 P20138

Description Anti-CD33 (gemtuzumab biosimilar) mAb

Delivery In Stock

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.

Research grade biosimilar. Not for use in therapeutic or diagnostic procedures for humans or animals. Storage & SI

Background

Usage

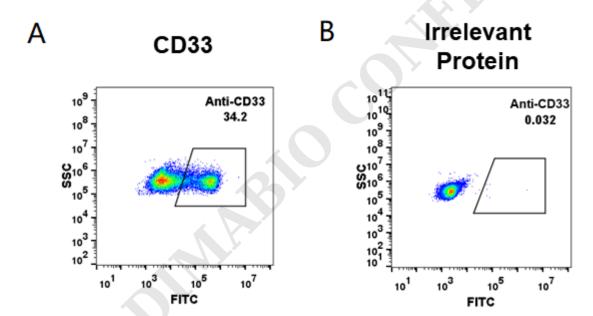


Figure 1. HEK293 cell line transfected with irrelevant protein (B) and human CD33 (A) were surface stained with anti-CD33 neutralizing antibody  $1\mu g/ml$  (gemtuzumab) followed by Alexa 488-conjugated anti-human IgG secondary antibody.

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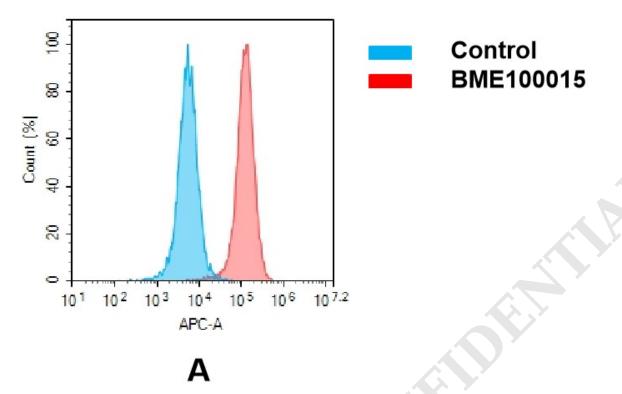


Figure 2. Flow cytometry analysis of antigen binding of anti-human CD33 mAb(BME100015). (A) A clear peak shift of BME100015 was seen compared to the control when incubated with CD33-expressing 8226 cells, indicating strong binding of BME100015 to CD33. Antibodies were incubated at 2  $\mu$ g/mL.

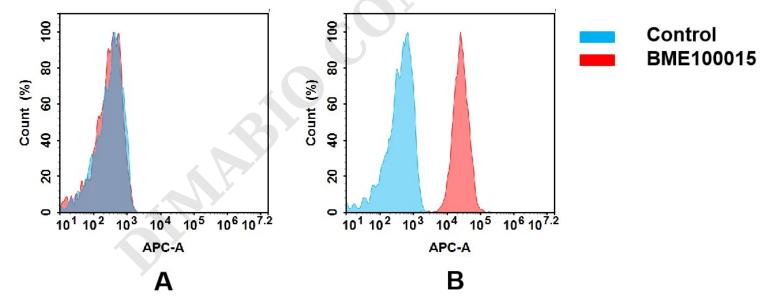


Figure 3. Flow cytometry analysis of antigen binding of anti-human CD33 mAb(BME100015). (A) BME100015 does not bind to 293T cells that do not express CD33. (B) A clear peak shift of BME100015 was seen compared to the control when incubated with CD33 -expressing THP-1 cells, indicating strong binding of BME100015 to CD33 . Antibodies were incubated at 5 μg/mL.



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