PRODUCT INFORMATION

Clone ID	DM13
Target	CD22
Synonyms	SIGLEC-2; SIGLEC2
Host Species	Rabbit
Description	Anti-CD22 antibody(DM13); Rabbit mAb
Delivery	In Stock
Uniprot ID	P20273
IgG type	Rabbit IgG
Clonality	Monoclonal
Reactivity	Human
Applications	ELISA; Flow Cyt
Recommended Dilutions	Flow Cyt 1:100
Purification	Purified from cell culture supernatant by affinity chromatography
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.
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	CD22 (CD22 Molecule) is a Protein Coding gene. Diseases associated with CD22 include Refractory Hematologic Cancer and Hairy Cell Leukemia. Among its related pathways are Downstream signaling events of B Cell Receptor (BCR) and Hematopoietic cell lineage. Gene Ontology (GO) annotations related to this gene include carbohydrate binding. An important paralog of this gene is SIGLEC2.
Usage	Research use only
Conjugate	Unconjugated
DIMA Disclaimer	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.

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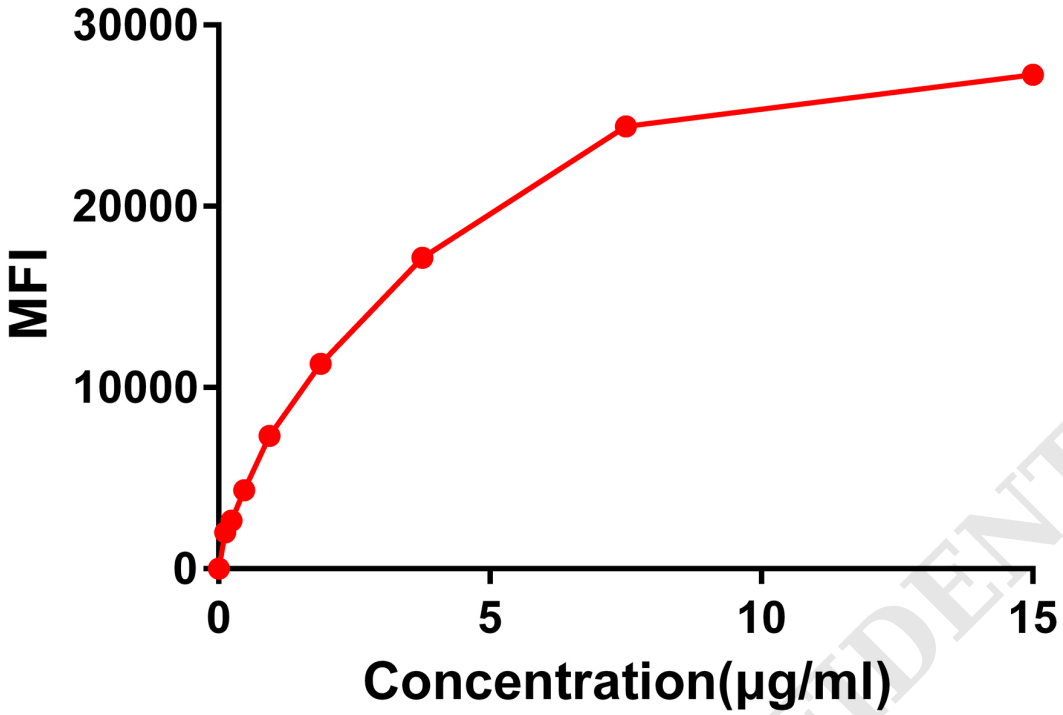

Figure 1. Flow cytometry data of serially titrated Rabbit anti-CD22 monoclonal antibody (clone: DM13) on Raji cells. The Y-axis represents the mean fluorescence intensity (MFI) while the X-axis represents the concentration of IgG used.

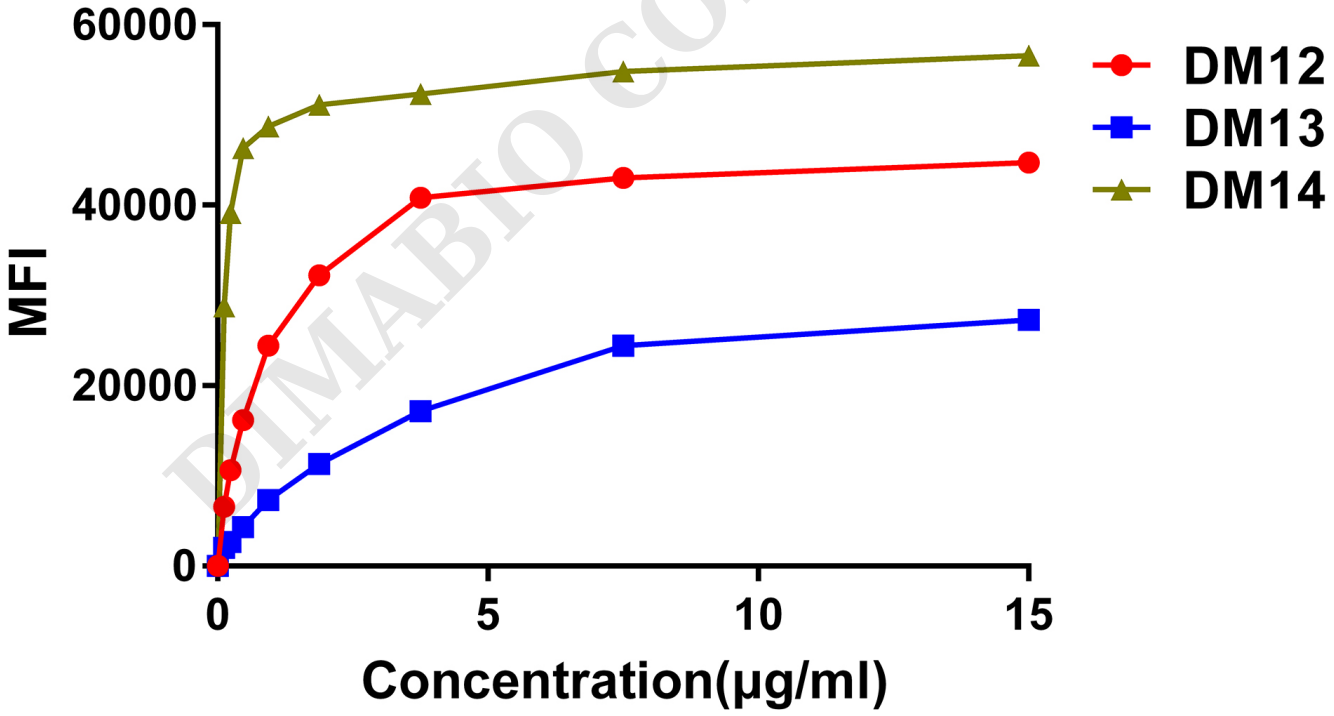

Figure 2. Affinity ranking of different Rabbit anti-CD22 mAb clones by titration of different concentration onto Raji cells. The Y-axis represents the mean fluorescence intensity (MFI) while the X-axis represents the concentration of IgG used.

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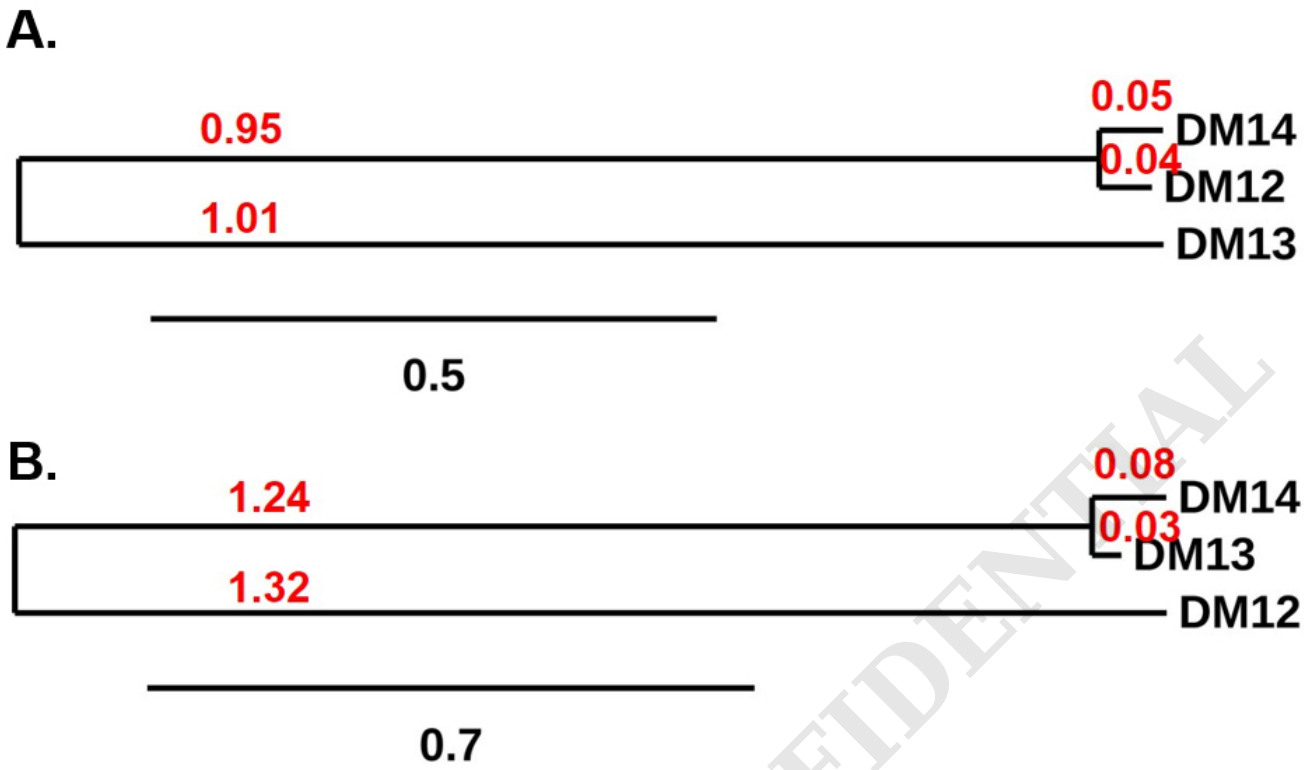

Figure 3. Phylogenetic analysis of amino acid sequence of different Rabbit Anti-CD22 mAb clones. A) Heavy chain and B) Light chain.

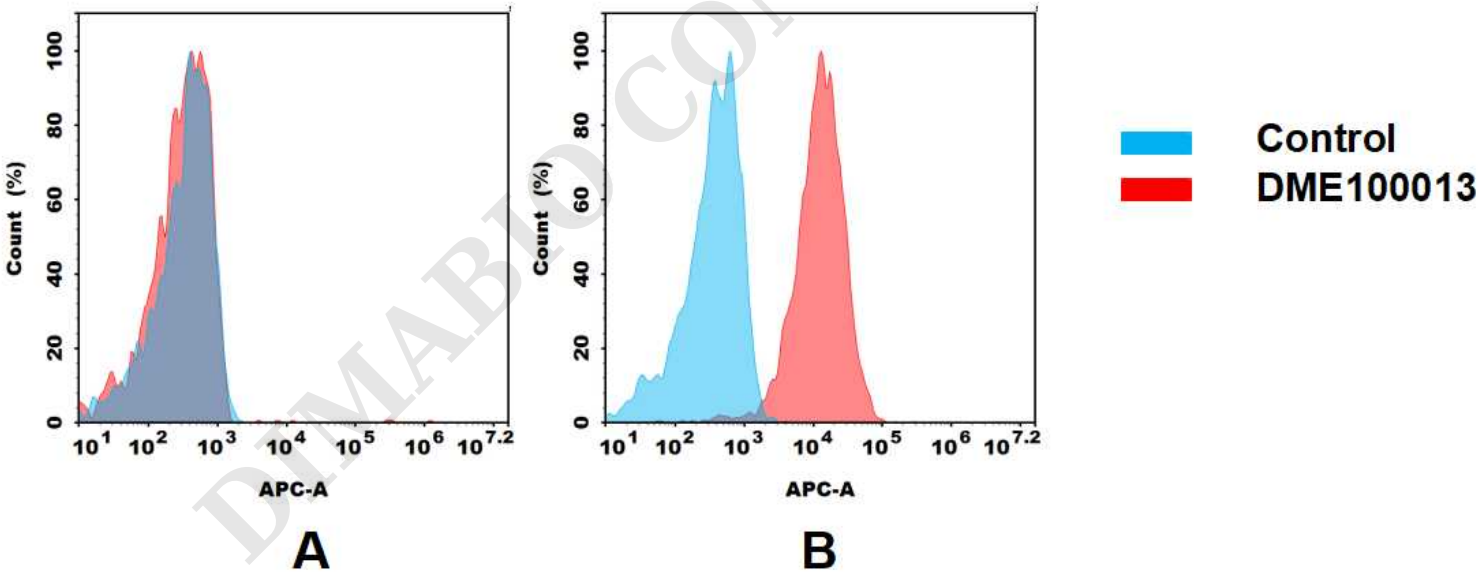

Figure 4. Flow cytometry analysis of antigen binding of rabbit anti-human CD22 mAb(DME100013).
(A) DME100013 does not bind to Jurkat cells that do not express CD22.
(B) A clear peak shift of DME100013 was seen compared to the control when incubated with CD22-expressing Raji cells, indicating strong binding of DME100013 to CD22. Antibodies were incubated at 10 μg/mL.

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