

## CD22 (DM13) RABBIT MAB

**Cat.#:** 28301

**Product Name:** Anti-CD22(DM13) Rabbit Monoclonal Antibody

**Synonyms:** SIGLEC-2; SIGLEC2

**Description:** Anti-CD22 antibody(DM13) Rabbit Monoclonal Antibody

**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.

**Applications:** ELISA; Flow Cyt

**Recommended Dilutions:** Flow Cyt 1:100

**Host Species:** Rabbit

**Isotype:** Rabbit IgG

**Purification:** Purified from cell culture supernatant by affinity chromatography

**Species Reactivity:** Human CD22

**Constituents:** Lyophilized from sterile PBS, pH 7.4. 5% – 8% trehalose is added as protectants before lyophilization.

**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).

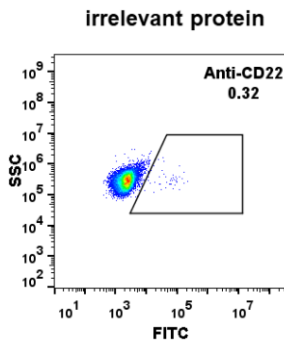


Figure 1. Expi 293 cell line transfected with irrelevant protein (left) and human CD22 (right) were surface stained with Rabbit anti-CD22 monoclonal antibody 1µg/ml (clone: DM13) followed by Alexa 488-conjugated anti-rabbit IgG secondary antibody.

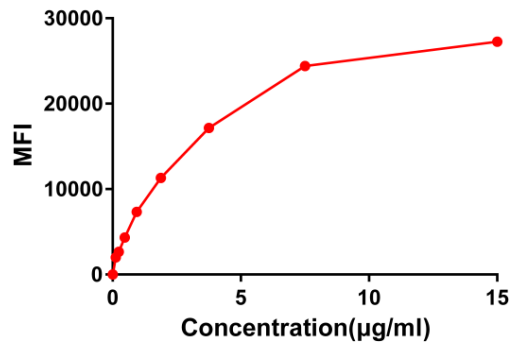


Figure 2. Flow cytometry data of serially titrated Rabbit anti-CD22 monoclonal antibody (clone: DM13) on Raji cells. The Y-axis represents the mean fluorescence intensity (MFI) while the X-axis represents the concentration of IgG used.

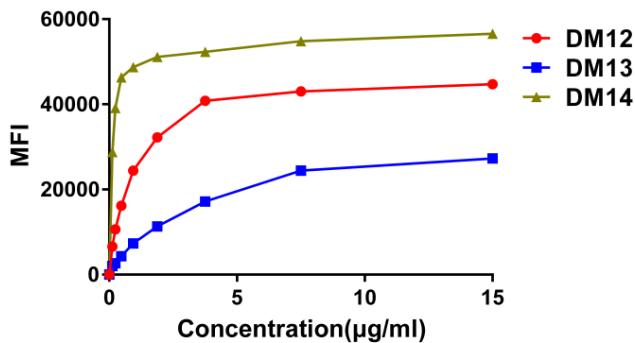


Figure 3. Affinity ranking of different Rabbit anti-CD22 mAb clones by titration of different concentration onto Raji cells. The Y-axis represents the mean fluorescence intensity (MFI) while the X-axis represents the concentration of IgG used.

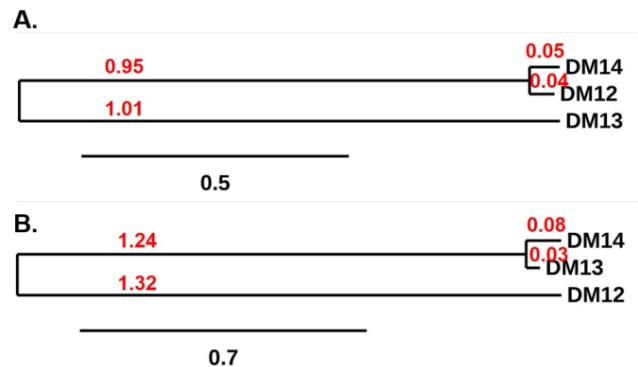


Figure 4. Phylogenetic analysis of amino acid sequence of different Rabbit Anti-CD22 mAb clones. A) Heavy chain and B) Light chain.