

PRODUCT INFORMATION

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|------------------------------|---|
| Clone ID | 8B5 |
| Target | CD22 |
| Synonyms | SIGLEC2; SIGLEC-2 |
| Host Species | Rabbit |
| Description | Anti-CD22 antibody(8B5), Rabbit mAb |
| Delivery | In Stock |
| Uniprot ID | P20273 |
| IgG type | Rabbit IgG |
| Clonality | Monoclonal |
| Reactivity | Human |
| Applications | WB; Flow Cyt |
| Recommended Dilutions | WB 1:1000; 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 |



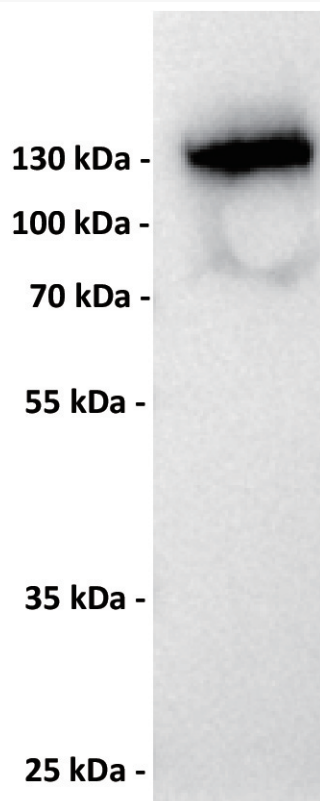


Figure 1. Anti-CD22 antibody (SKU# DME100012) at 1/1000 dilution

Lane : Raji (human Burkitt's lymphoma B lymphocyte), whole cell lysate

Secondary : Goat Anti-Rabbit IgG H&L (HRP) at 1/5000 dilution

Predicted band size: 60 kDa

Observed band size: 130 kDa

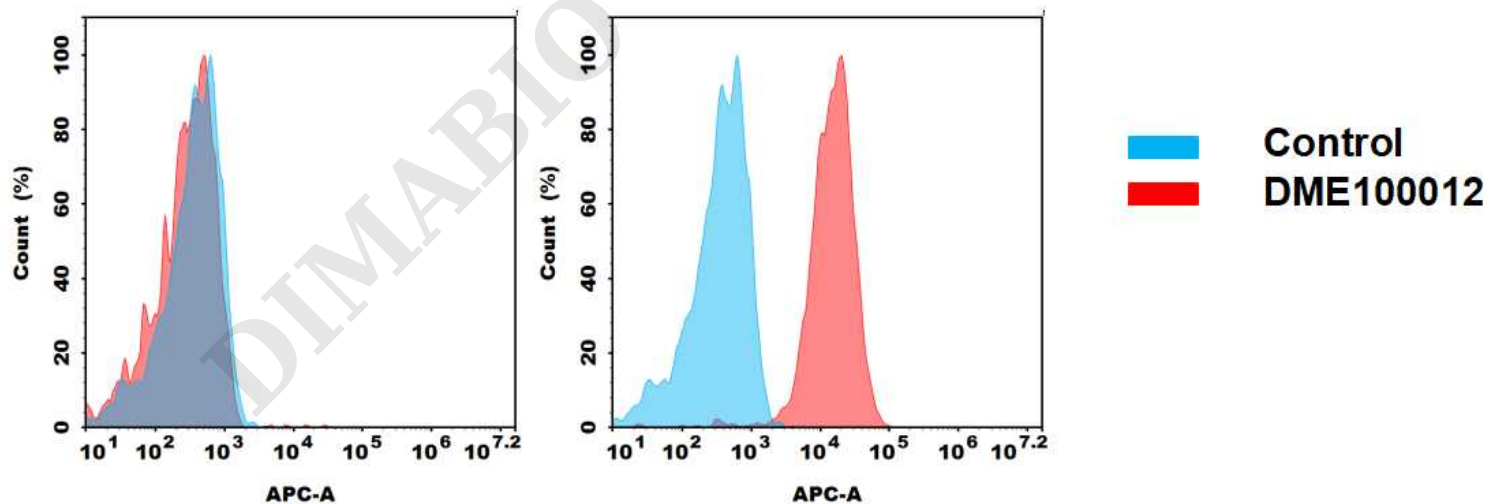


Figure 2. Flow cytometry analysis of antigen binding of anti-human CD22 mAb(DME100012).

(A) DME100012 does not bind to Jurkat cells that do not express CD22

(B) A clear peak shift of DME100012 was seen compared to the control when incubated with CD22-expressing Raji cells, indicating strong binding of DME100012 to CD22.

Antibodies were incubated at 10 ug/mL.

