

PRODUCT INFORMATION

|                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Clone ID                     | DM161                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Target                       | CD5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Synonyms                     | CD5;LEU1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Host Species                 | Rabbit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Description                  | Anti-CD5 antibody(DM161); Rabbit mAb                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Delivery                     | In Stock                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Uniprot ID                   | P06127                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| IgG type                     | Rabbit IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Clonality                    | Monoclonal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Reactivity                   | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Applications                 | ELISA; Flow Cyt                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Recommended Dilutions        | ELISA 1:5000-10000; Flow Cyt 1:100                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Purification                 | Purified from cell culture supernatant by affinity chromatography                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Endotoxin                    | Less than 1.0 EU/μg by the LAL method. For <1 EU/mg requirements, please contact us for customization.                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 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.                                                                                                                                                                                                                                                                                                          |
| Sterility                    | Products are supplied non-sterile. For cell culture applications, dilute in appropriate medium and sterile-filter (0.22 μm) prior to use.                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Background                   | This gene encodes a member of the scavenger receptor cysteine-rich (SRCR) superfamily. Members of this family are secreted or membrane-anchored proteins mainly found in cells associated with the immune system. This protein is a type-I transmembrane glycoprotein found on the surface of thymocytes; T lymphocytes and a subset of B lymphocytes. The encoded protein contains three SRCR domains and may act as a receptor to regulate T-cell proliferation. Alternative splicing results in multiple transcript variants encoding different isoforms. |
| 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 scr                                                                                                                                                                                                                                                                                                                                                     |



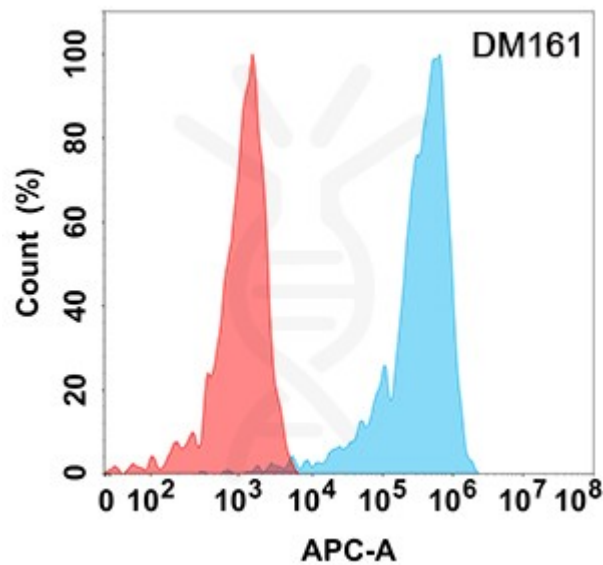


Figure 1. Flow cytometry analysis with Anti-CD5 (DM161) on HEK293 cells transfected with human CD5 (Blue histogram) or HEK293 transfected with irrelevant protein (Red histogram).

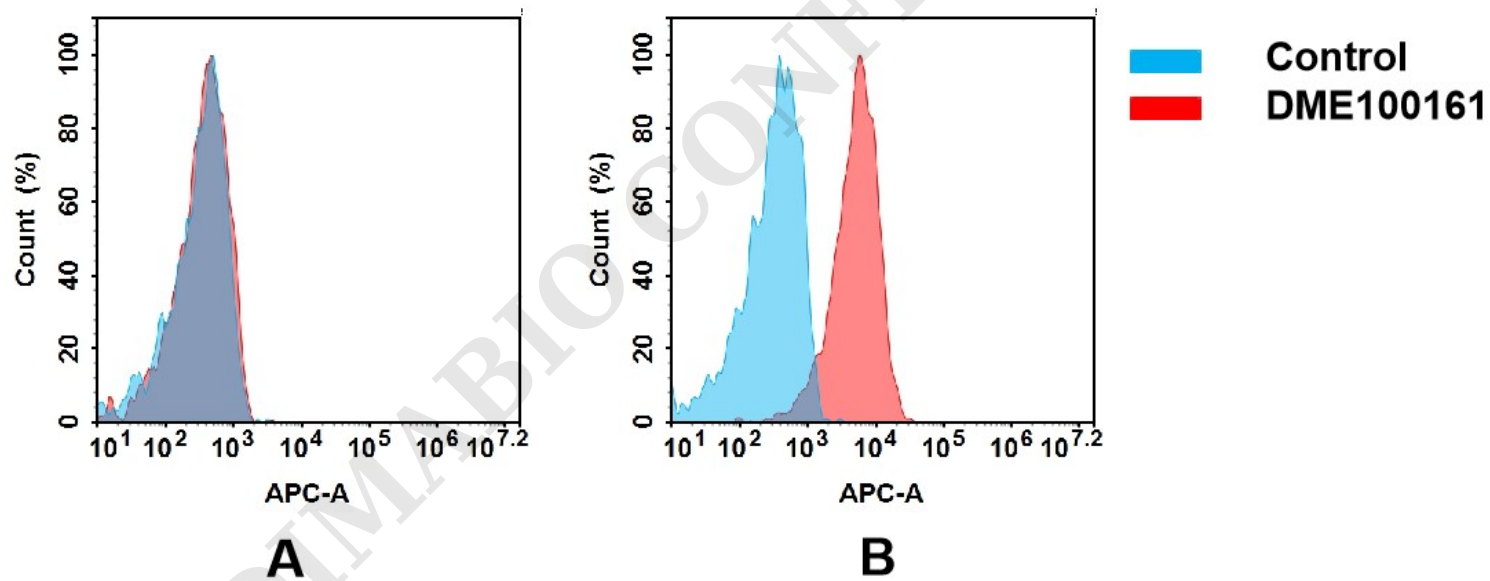


Figure 2. Flow cytometry analysis of antigen binding of rabbit anti-human CD5 mAb(DME100161).

- (A) DME100161 does not bind to 293T cells that do not express CD5.  
(B) A clear peak shift of DME100161 was seen compared to the control when incubated with CD5-expressing Jurkat cells, indicating strong binding of DME100161 to CD5. Antibodies were incubated at 10 µg/mL.

