

PRODUCT INFORMATION

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| Clone ID | DM57 |
| Target | CD27 |
| Synonyms | CD27; TNFRSF7; S152; T14; Tp55 |
| Host Species | Rabbit |
| Description | Anti-CD27 antibody(DM57); Rabbit mAb |
| Delivery | In Stock |
| Uniprot ID | P26842 |
| 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 |
| 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 | The protein encoded by this gene is a member of the TNF-receptor superfamily. This receptor is required for generation and long-term maintenance of T cell immunity. It binds to ligand CD70; and plays a key role in regulating B-cell activation and immunoglobulin synthesis. This receptor transduces signals that lead to the activation of NF-kappaB and MAPK8/JNK. Adaptor proteins TRAF2 and TRAF5 have been shown to mediate the signaling process of this receptor. CD27-binding protein (SIVA); a proapoptotic protein; can bind to this receptor and is thought to play an important role in the apoptosis induced by this receptor. |
| Usage | Research use only |



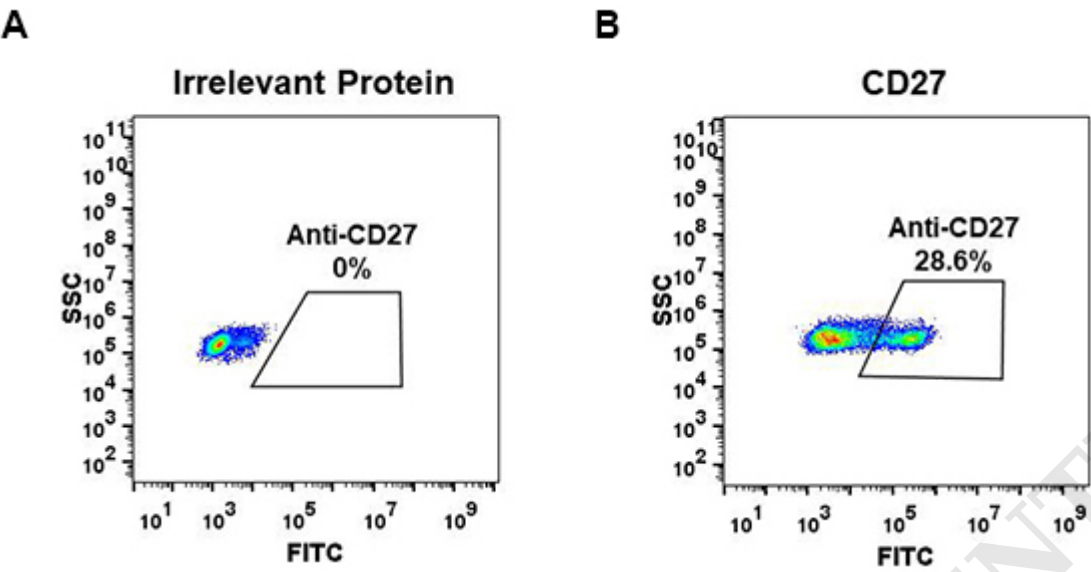


Figure 1. Expi 293 cell line transfected with irrelevant protein (A) and human CD27 (B) were surface stained with Rabbit anti-CD27 monoclonal antibody 1 μ g/ml (clone: DM57) followed by Alexa 488-conjugated anti-rabbit IgG secondary antibody.

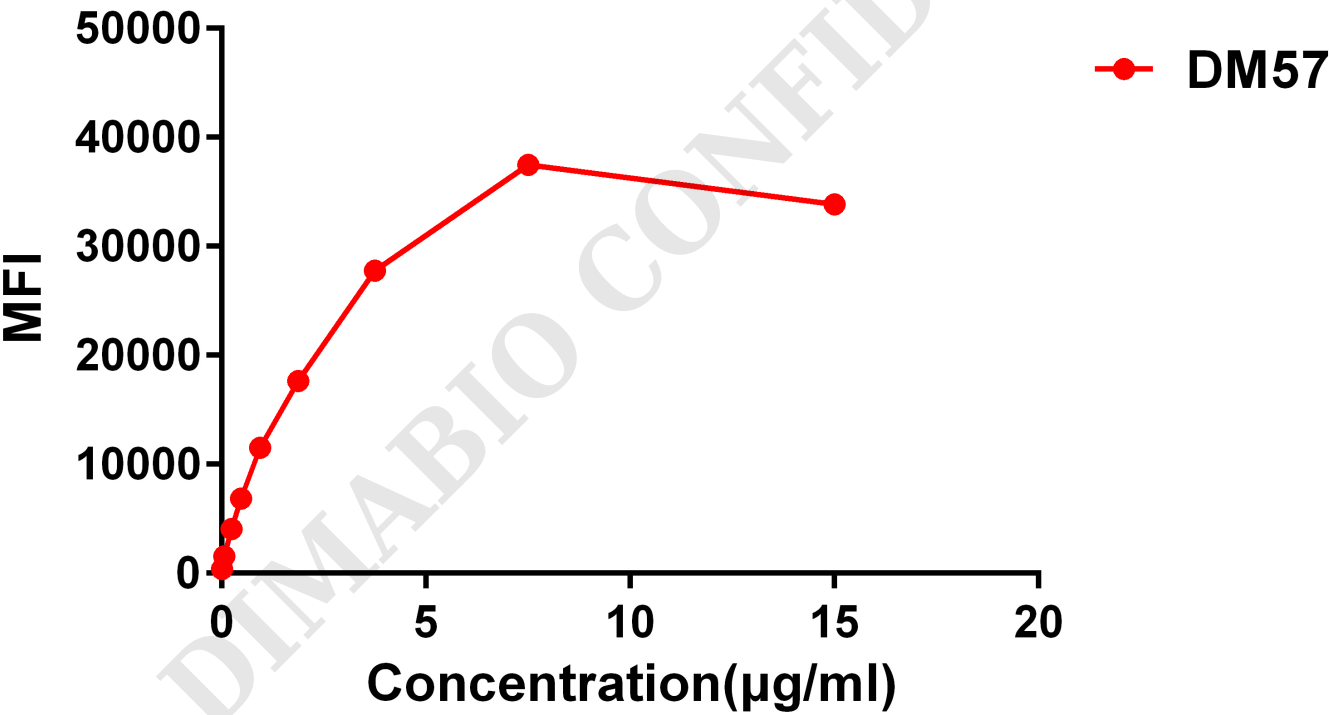


Figure 2. Flow cytometry data of serially titrated Rabbit anti-CD27 monoclonal antibody (clone: DM57) on Raji cells. The Y-axis represents the mean fluorescence intensity (MFI) while the X-axis represents the concentration of IgG used.



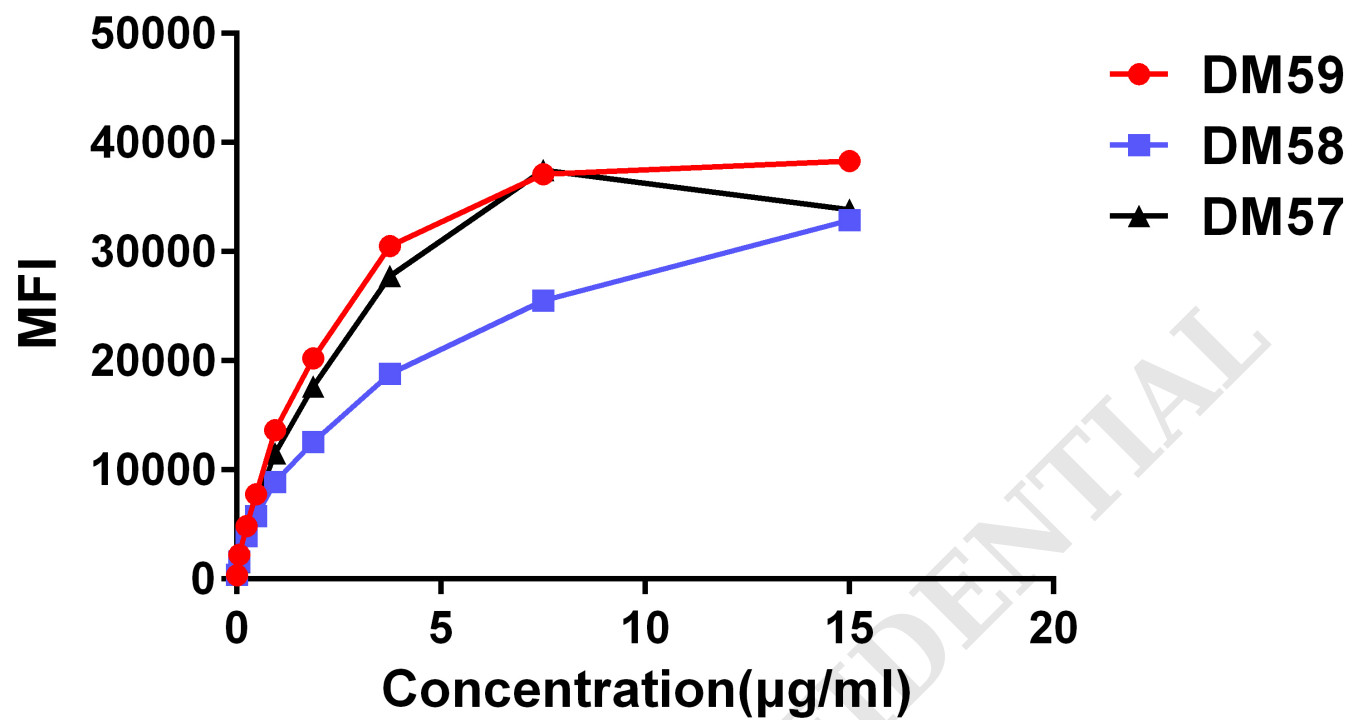


Figure 3. Affinity ranking of different Rabbit anti-CD27 mAb clones by titration of different concentration onto Raji cells. The Y-axis represents the mean fluorescence intensity (MFI) while the X-axis represents the concentration of IgG used.

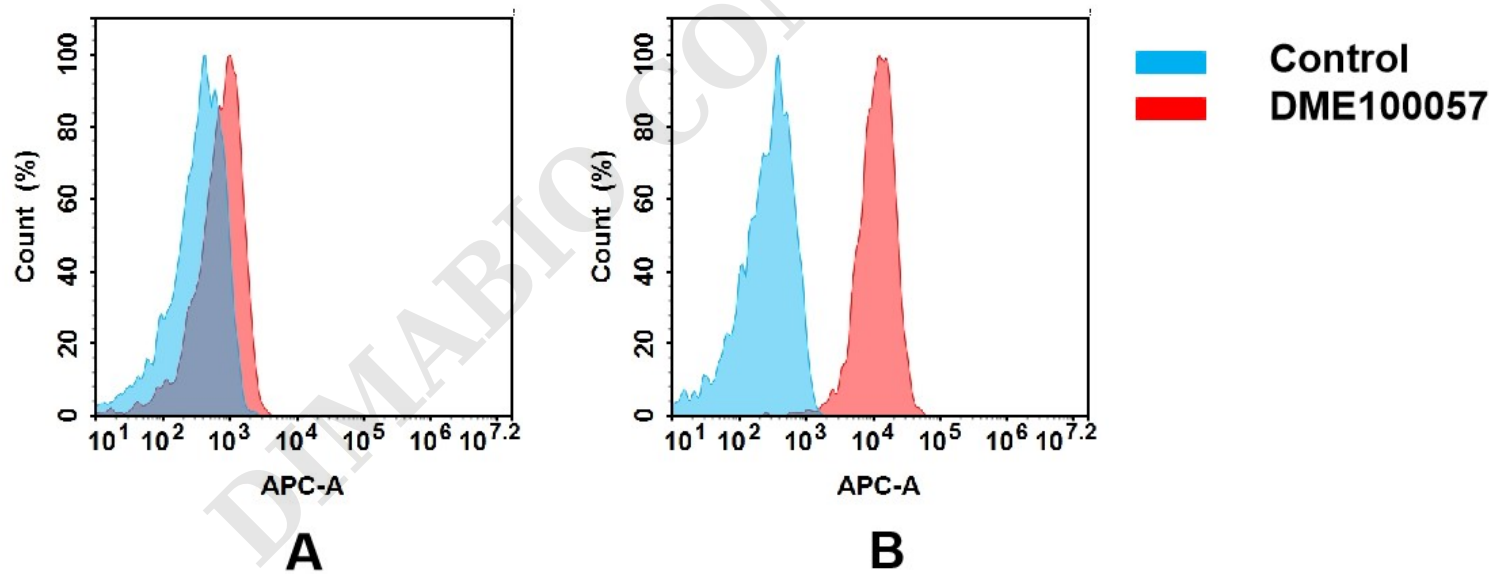


Figure 4. Flow cytometry analysis of antigen binding of rabbit anti-human CD27 mAb(DME100057).
(A) DME100057 does not bind to 293T cells that do not express CD27.
(B) A clear peak shift of DME100057 was seen compared to the control when incubated with CD27-expressing Raji cells, indicating strong binding of DME100057 to CD27. Antibodies were incubated at 2 µg/mL.

