Cat. No. DME100058



PRODUCT INFORMATION

Clone ID DM58 CD27 **Target**

Synonyms CD27; TNFRSF7; S152; T14; Tp55

Host Species Rabbit

Description Anti-CD27 antibody(DM58); Rabbit mAb

Delivery In Stock **Uniprot ID** P26842 IgG type Rabbit IgG Clonality Monoclonal Reactivity Human

Applications ELISA; Flow Cyt

Recommended

Storage & Shipping

ELISA 1:5000-10000; Flow Cyt 1:100 **Dilutions**

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

chromatography

Lyophilized from sterile PBS, pH 7.4. Normally 5 % Formulation & - 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis Reconstitution

for specific instructions of reconstitution. 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.

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

Background 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

Conjugate Unconjugated

All DIMA recombinant antibodies are genuinely generated by DIMA Biotech. They are all under patent application. Any protein sequencing or

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DIMA Disclaimer reverse engineering attempt is prohibited. We are

actively scrutinizing all patent application to

ensure no IP infringement.







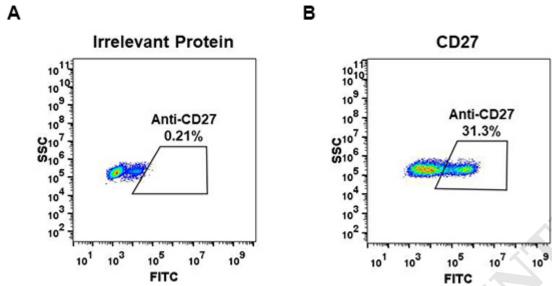


Figure 1. Expi 293 cell line transfected with irrelevant protein (A) and human CD27 (B) were surface stained with Rabbit anti-CD27 monoclonal antibody $1\mu g/ml$ (clone: DM58) followed by Alexa 488-conjugated anti-rabbit IgG secondary antibody.

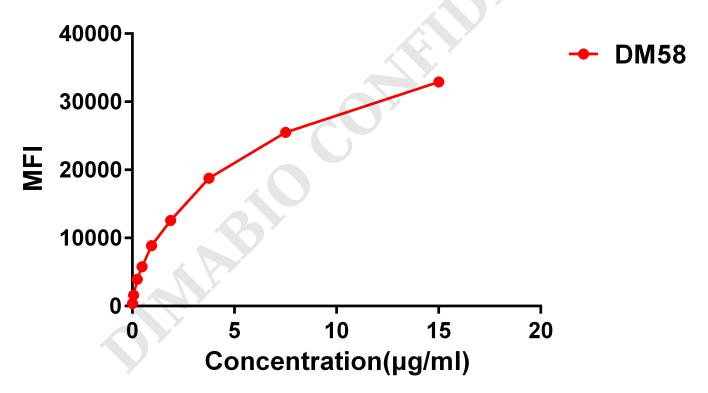


Figure 2. Flow cytometry data of serially titrated Rabbit anti-CD27 monoclonal antibody (clone: DM58) on Raji cells. The Y-axis represents the mean fluorescence intensity (MFI) while the X-axis represents the concentration of IgG used.

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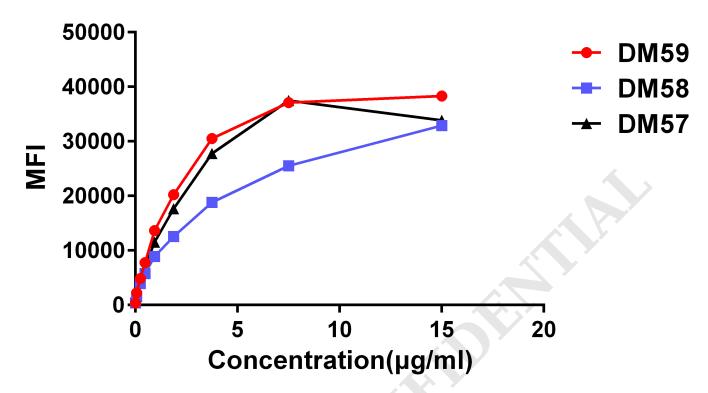


Figure 3. Affinity ranking of different Rabbit anti-CD27 mAb clones by titration of different concentration onto Raji cells. The Y-axis represents the mean fluorescence intensity (MFI) while the X-axis represents the concentration of IgG used.

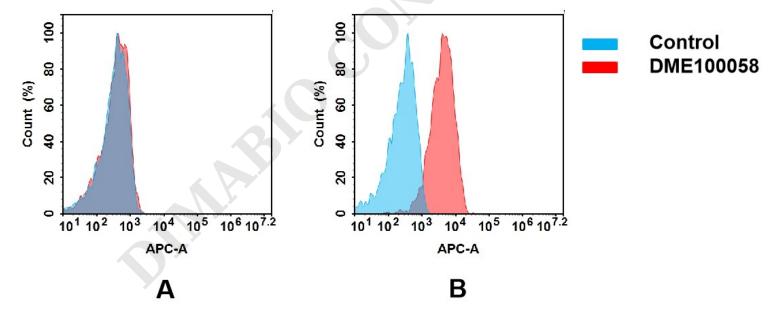


Figure 4. Flow cytometry analysis of antigen binding of rabbit anti-human CD27 mAb(DME100058).

(A) DME100058 does not bind to 293T cells that do not express CD27. (B) A clear peak shift of DME100058 was seen compared to the control when incubated with CD27-expressing Raji cells, indicating strong binding of DME100058 to CD27. Antibodies were incubated at 2 μ g/mL.

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