

**PRODUCT INFORMATION**

<b>Clone ID</b>	DM57
<b>Target</b>	CD27
<b>Synonyms</b>	CD27; TNFRSF7; S152; T14; Tp55
<b>Host Species</b>	Rabbit
<b>Description</b>	Anti-CD27 antibody(DM57); Rabbit mAb
<b>Delivery</b>	In Stock
<b>Uniprot ID</b>	P26842
<b>IgG type</b>	Rabbit IgG
<b>Clonality</b>	Monoclonal
<b>Reactivity</b>	Human
<b>Applications</b>	ELISA; Flow Cyt
<b>Recommended Dilutions</b>	ELISA 1:5000-10000; Flow Cyt 1:100
<b>Purification</b>	Purified from cell culture supernatant by affinity chromatography
<b>Formulation &amp; Reconstitution</b>	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.
<b>Storage &amp; Shipping</b>	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.
<b>Background</b>	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.
<b>Usage</b>	Research use only
<b>Conjugate</b>	Unconjugated



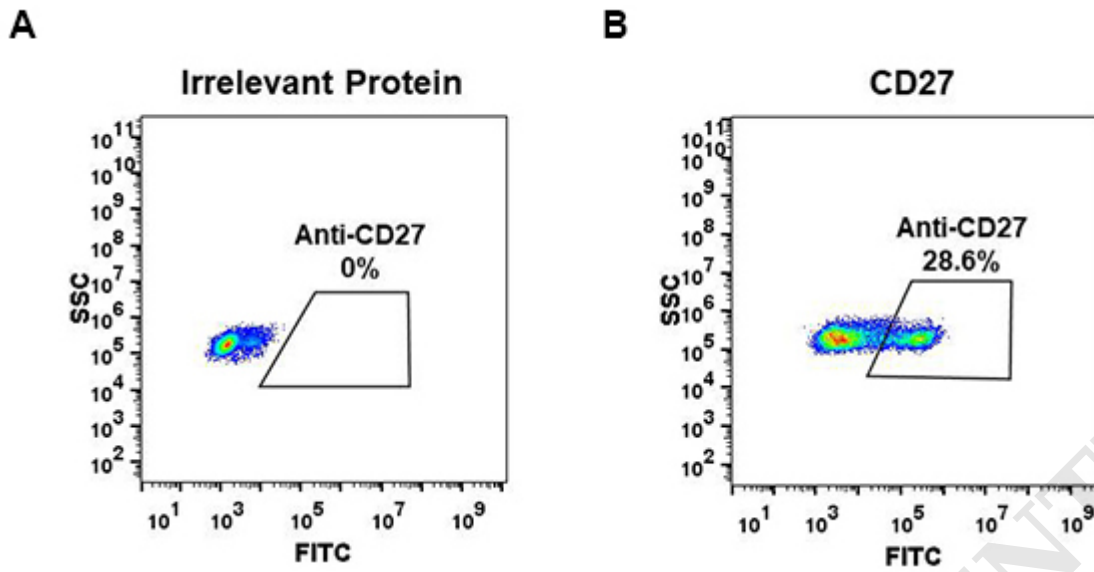


Figure 1. Expi 293 cell line transfected with irrelevant protein (A) and human CD27 (B) were surface stained with Rabbit anti-CD27 monoclonal antibody  $1\mu\text{g/ml}$  ( clone: DM57) followed by Alexa 488-conjugated anti-rabbit IgG secondary antibody.

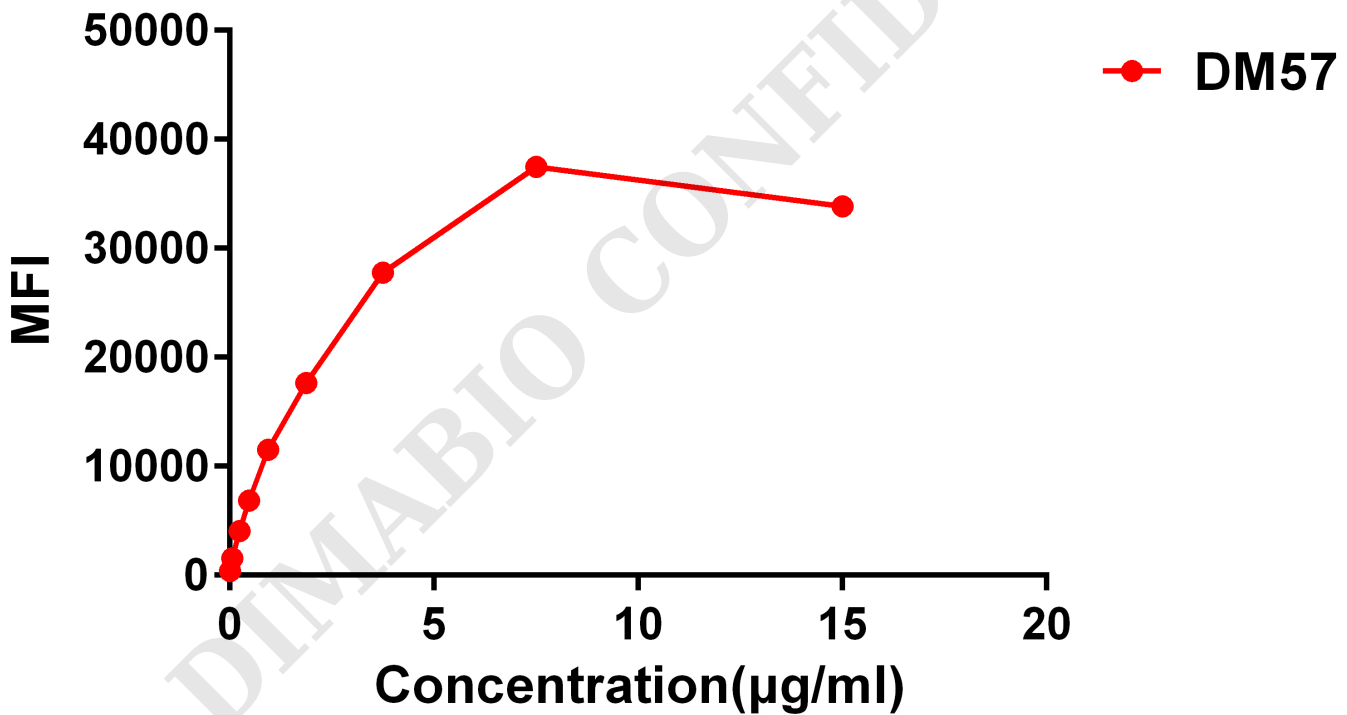


Figure 2. Flow cytometry data of serially titrated Rabbit anti-CD27 monoclonal antibody ( clone: DM57) on Raji cells. The Y-axis represents the mean fluorescence intensity (MFI) while the X-axis represents the concentration of IgG used.



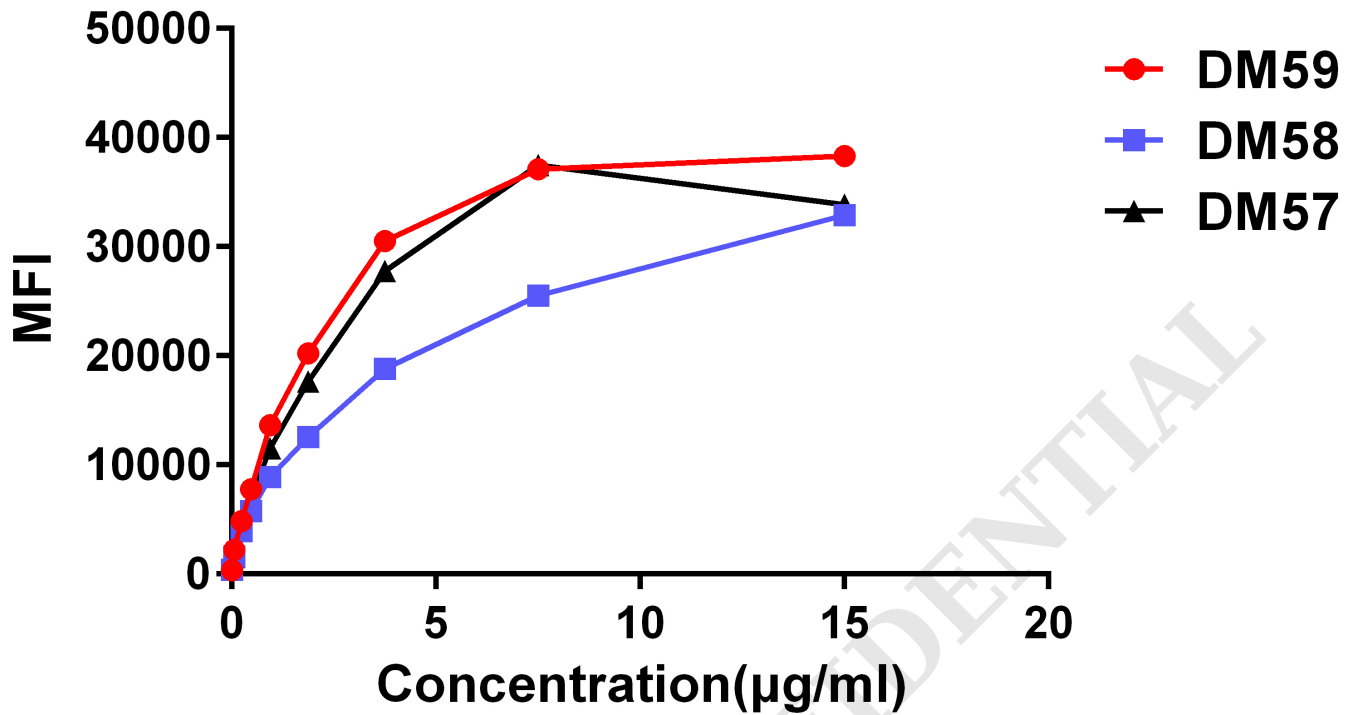


Figure 3. Affinity ranking of different Rabbit anti-CD27 mAb clones by titration of different concentration onto Raji cells. The Y-axis represents the mean fluorescence intensity (MFI) while the X-axis represents the concentration of IgG used.

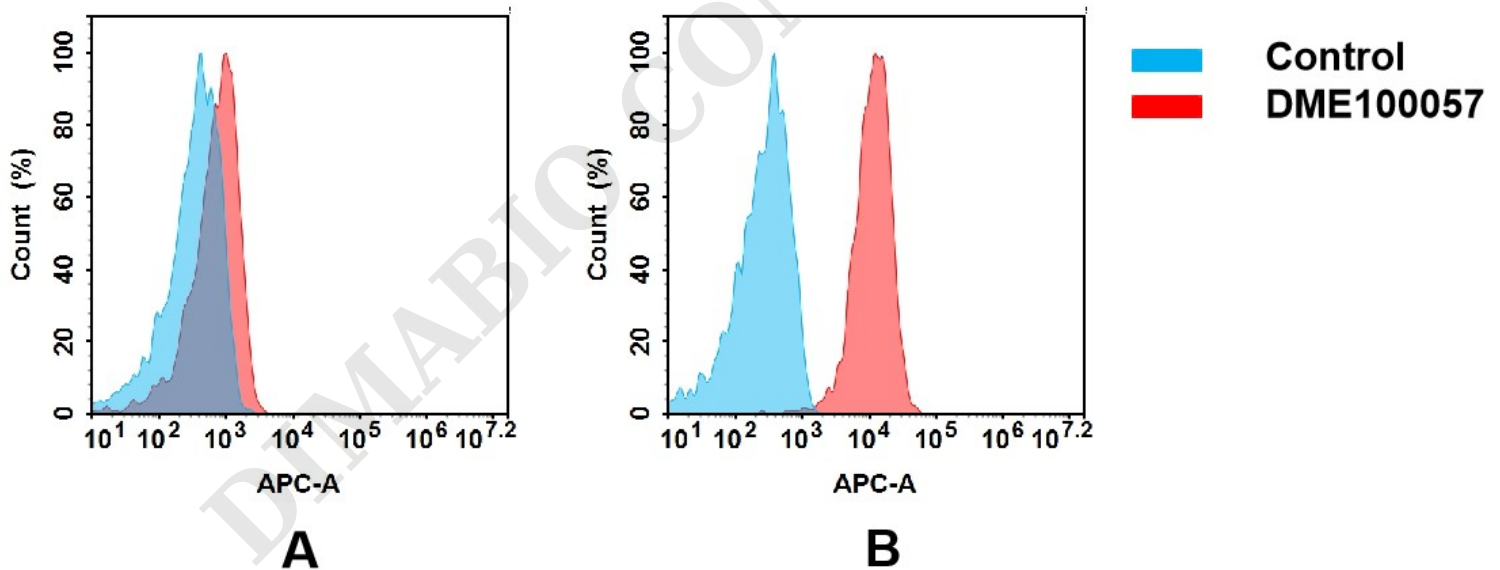


Figure 4. Flow cytometry analysis of antigen binding of rabbit anti-human CD27 mAb(DME100057).

(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.

