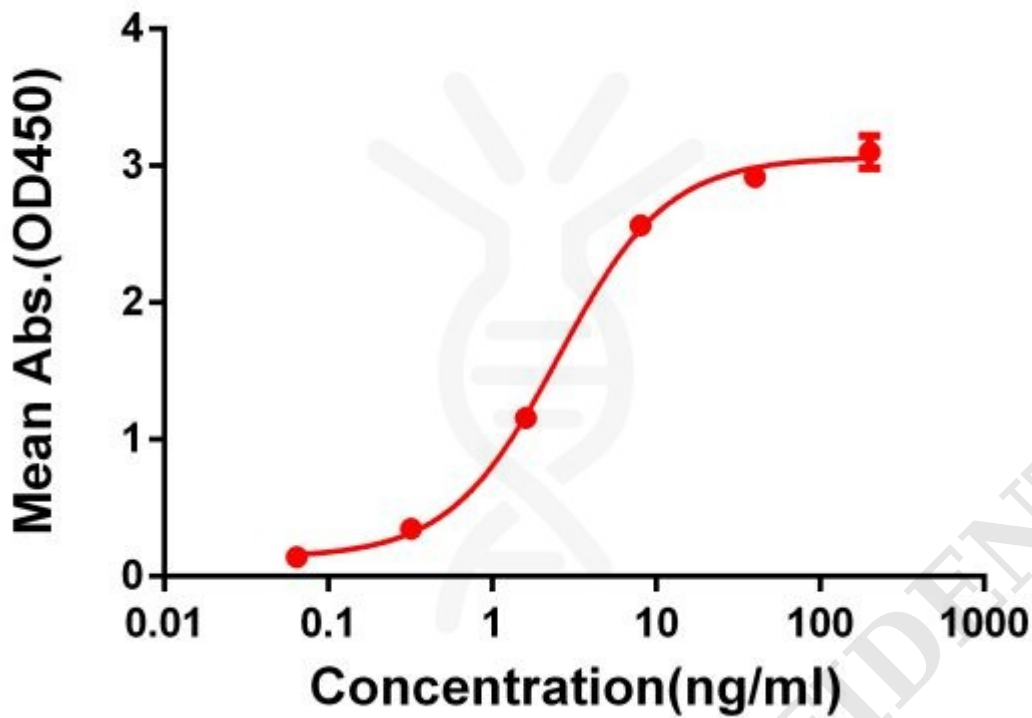


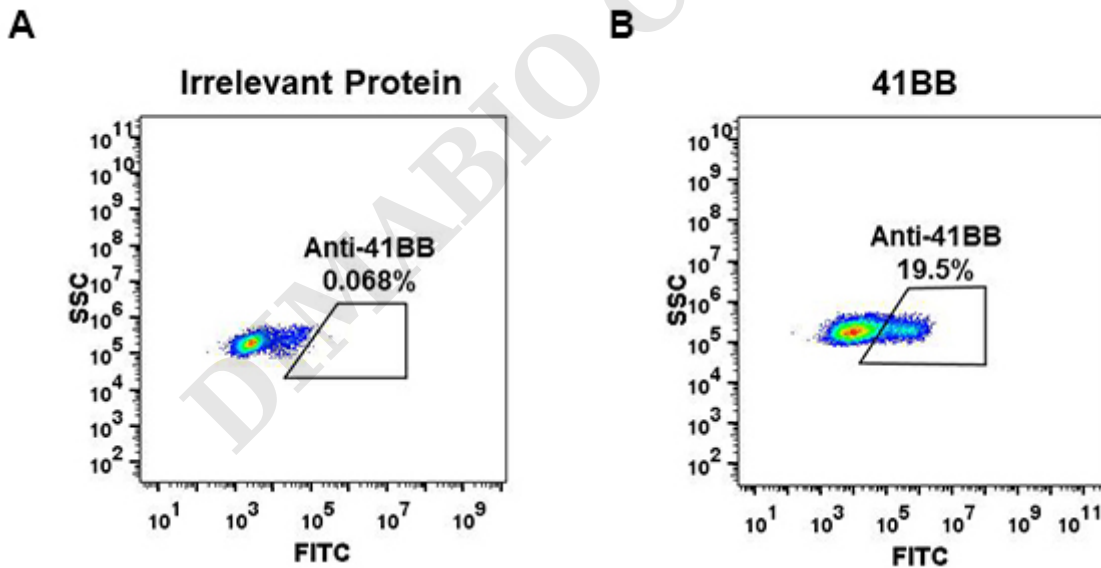
**PRODUCT INFORMATION**

<b>Clone ID</b>	DM67
<b>Target</b>	4-1BB
<b>Synonyms</b>	TNFRSF9; 4-1BB; CD137; CDw137; ILA
<b>Host Species</b>	Rabbit
<b>Description</b>	Anti-4-1BB antibody(DM67); Rabbit mAb
<b>Delivery</b>	In Stock
<b>Uniprot ID</b>	Q07011
<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 contributes to the clonal expansion; survival; and development of T cells. It can also induce proliferation in peripheral monocytes; enhance T cell apoptosis induced by TCR:CD3 triggered activation; and regulate CD28 co-stimulation to promote Th1 cell responses. The expression of this receptor is induced by lymphocyte activation. TRAF adaptor proteins have been shown to bind to this receptor and transduce the signals leading to activation of NF-kappaB.
<b>Usage</b>	Research use only
<b>Conjugate</b>	Unconjugated
<b>DIMA Disclaimer</b>	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 scrutinizing all patent application to ensure no IP infringement.



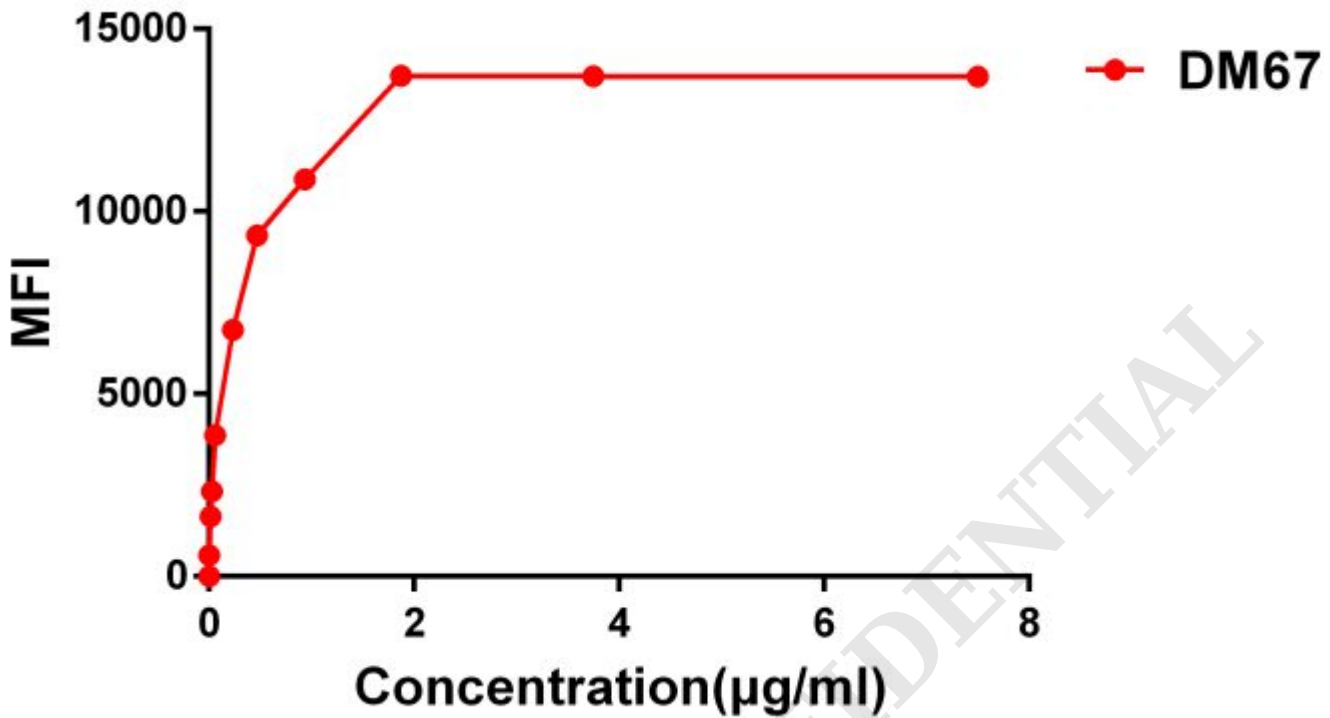


**Figure 1.** ELISA plate pre-coated by 2  $\mu\text{g/ml}$  (100  $\mu\text{l/well}$ ) Human 4-1BB Protein, mFc-His Tag (Igetskuurl sku="PME100011") can bind Rabbit anti-4-1BB monoclonal antibody (clone: **DM67**) in a linear range of 1-100 ng/ml.

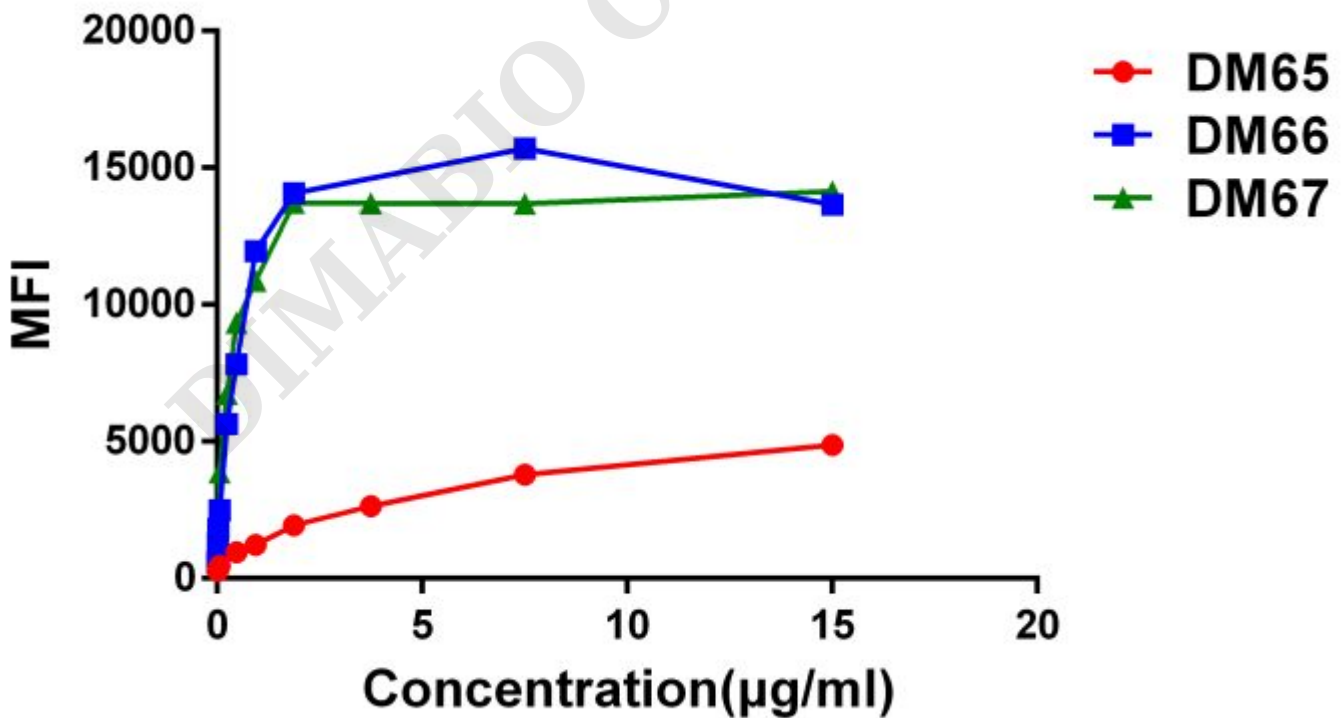


**Figure 2.** HEK293 cell line transfected with irrelevant protein (**A**) and human 4-1BB (**B**) were surface stained with Rabbit anti-4-1BB monoclonal antibody 1 $\mu\text{g/ml}$  (clone: **DM67**) followed by Alexa 488-conjugated anti-rabbit IgG secondary antibody.





**Figure 3.** Flow cytometry data of serially titrated Rabbit anti-4-1BB monoclonal antibody (clone: DM67) on HEK293 cell line transfected with human 4-1BB. The Y-axis represents the mean fluorescence intensity (MFI) while the X-axis represents the concentration of IgG used.



**Figure 4.** Affinity ranking of different Rabbit anti-4-1BB mAb clones by titration of different concentration onto HEK293 cell line transfected with human 4-1BB. The Y-axis represents the mean fluorescence intensity (MFI) while the X-axis represents the concentration of IgG used.

