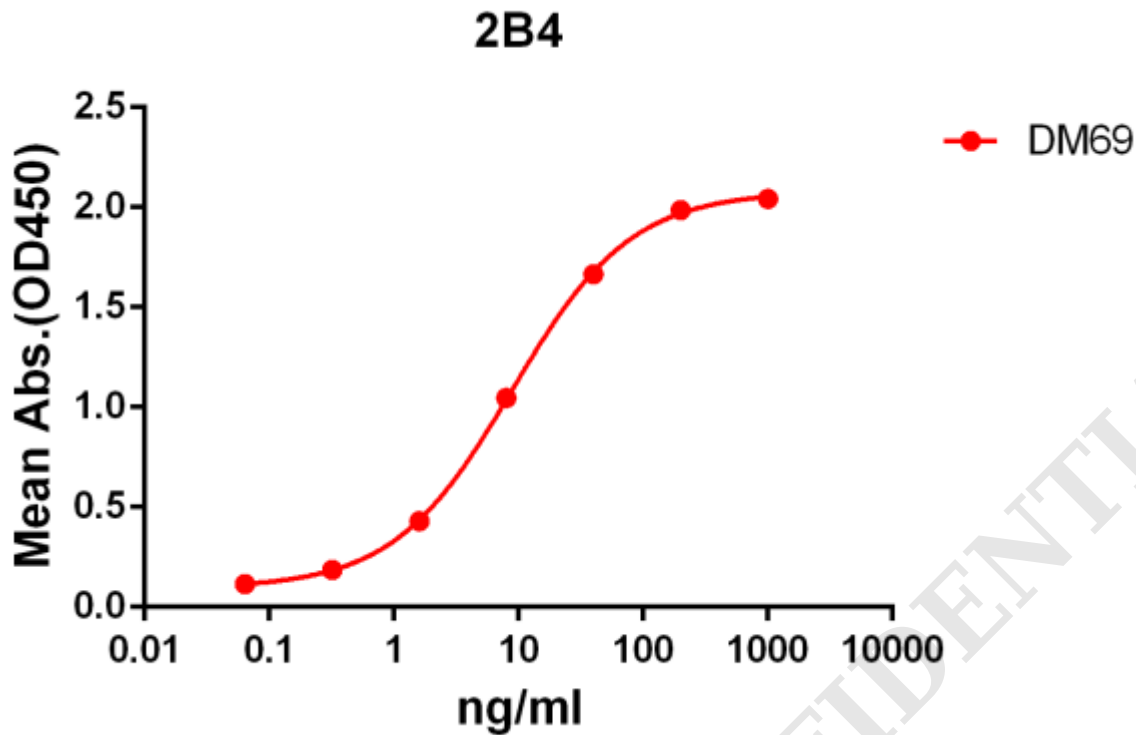


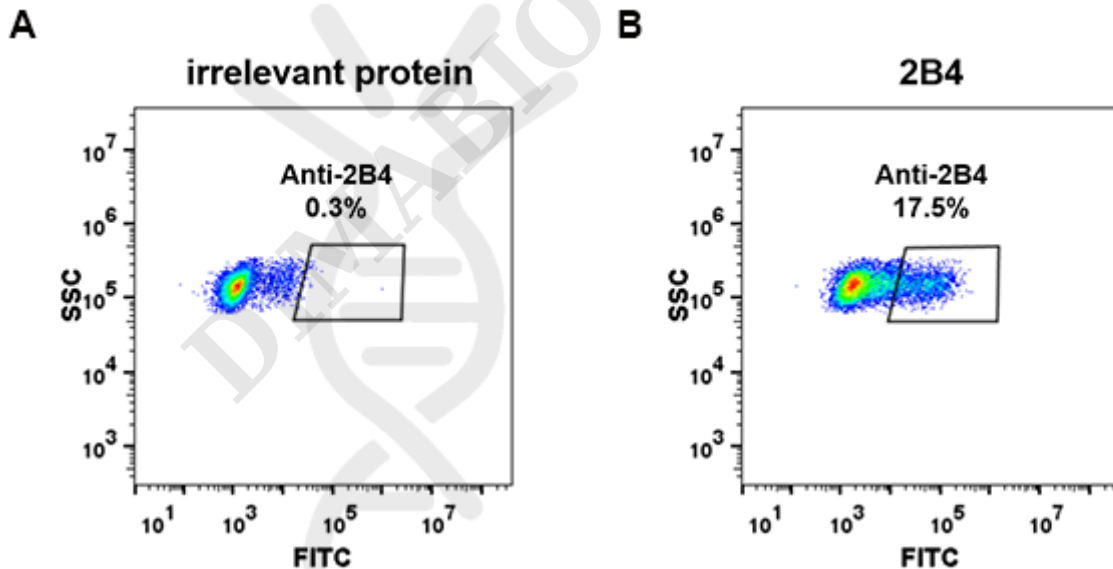
**PRODUCT INFORMATION**

<b>Clone ID</b>	DM69
<b>Target</b>	2B4
<b>Synonyms</b>	CD244;2B4;SLAMF4;NKR2B4;NAIL;h2B4
<b>Host Species</b>	Rabbit
<b>Description</b>	Anti-2B4 antibody(DM69); Rabbit mAb
<b>Delivery</b>	In Stock
<b>Uniprot ID</b>	Q9BZW8
<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>	This gene encodes a cell surface receptor expressed on natural killer (NK) cells (and some T cells) that mediate non-major histocompatibility complex (MHC) restricted killing. The interaction between NK-cell and target cells via this receptor is thought to modulate NK-cell cytolytic activity. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.
<b>Usage</b>	Research use only



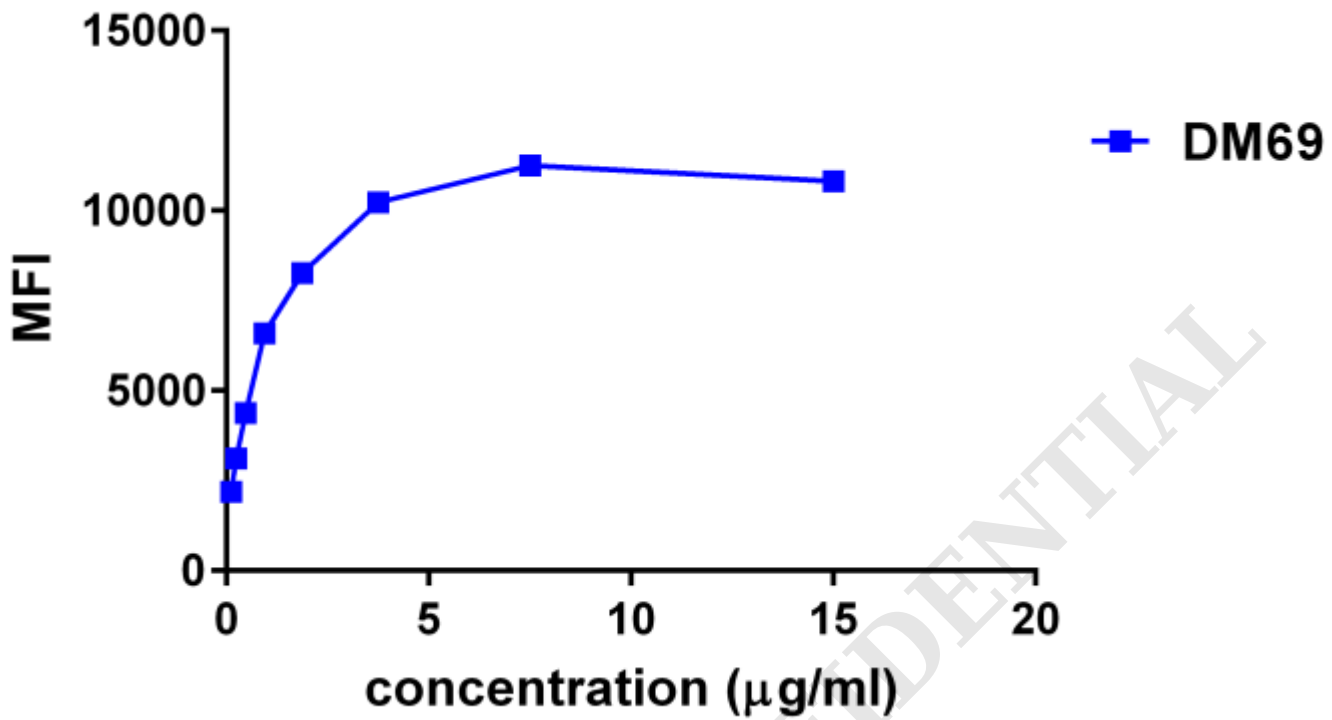


**Figure 1.** ELISA plate pre-coated by 2  $\mu\text{g/ml}$  (100  $\mu\text{l/well}$ ) Human 2B4 protein, mFc-His tagged protein ([getskuurl sku="PME100010"]) can bind Rabbit anti-2B4 monoclonal antibody (**clone: DM69**) in a linear range of 1-100 ng/ml.

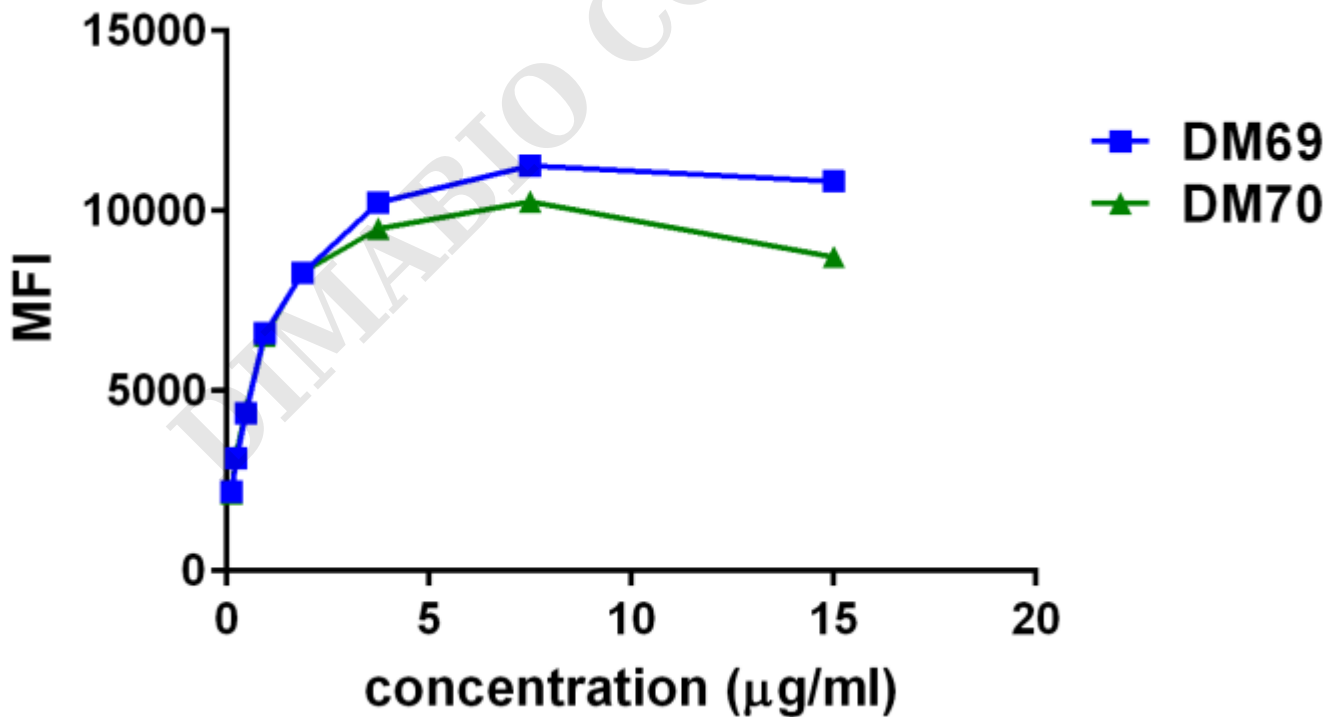


**Figure 2.** Expi 293 cell line transfected with irrelevant protein (**A**) and human 2B4 (**B**) were surface stained with Rabbit anti-2B4 monoclonal antibody 1 $\mu\text{g/ml}$  (**clone: DM69**) followed by Alexa 488-conjugated anti-rabbit IgG secondary antibody.





**Figure 3.** Flow cytometry data of serially titrated Rabbit anti-2B4 monoclonal antibody (clone: **DM69**) on THP-1 cells. 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-2B4 mAb clones by titration of different concentration onto THP-1 cells. The Y-axis represents the mean fluorescence intensity (MFI) while the X-axis represents the concentration of IgG used.

