PRODUCT INFORMATION

Clone ID	DM69
Target	2B4
Synonyms	CD244;2B4;SLAMF4;NKR2B4;NAIL;h2B4
Host Species	Rabbit
Description	Anti-2B4 antibody(DM69); Rabbit mAb
Delivery	In Stock
Uniprot ID	Q9BZW8
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	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.
Usage	Research use only

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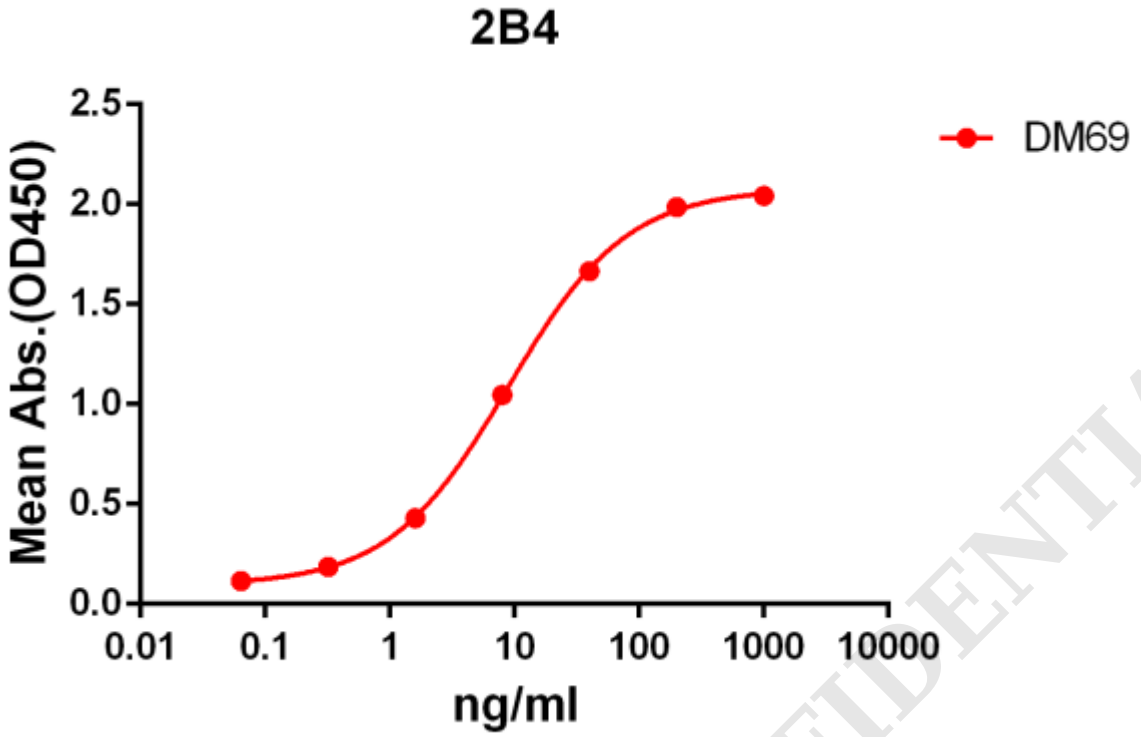

Figure 1. ELISA plate pre-coated by 2 μg/ml (100 μl/well) Human 2B4 protein, mFc-His tagged protein ([getskuurl sku="PME100010"]) can bind Rabbit anti-2B4 monoclonal antibody (**clone: DM69**) in a linear range of 1-100 ng/ml.

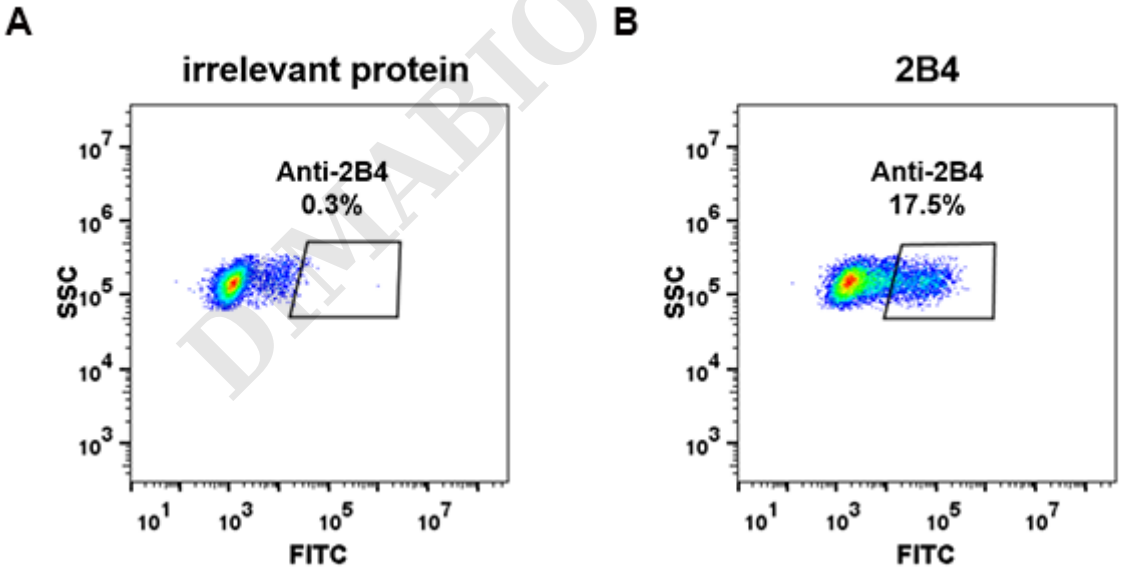

Figure 2. Expi 293 cell line transfected with irrelevant protein **(A)** and human 2B4 **(B)** were surface stained with Rabbit anti-2B4 monoclonal antibody 1μg/ml (**clone: DM69**) followed by Alexa 488-conjugated anti-rabbit IgG secondary antibody.

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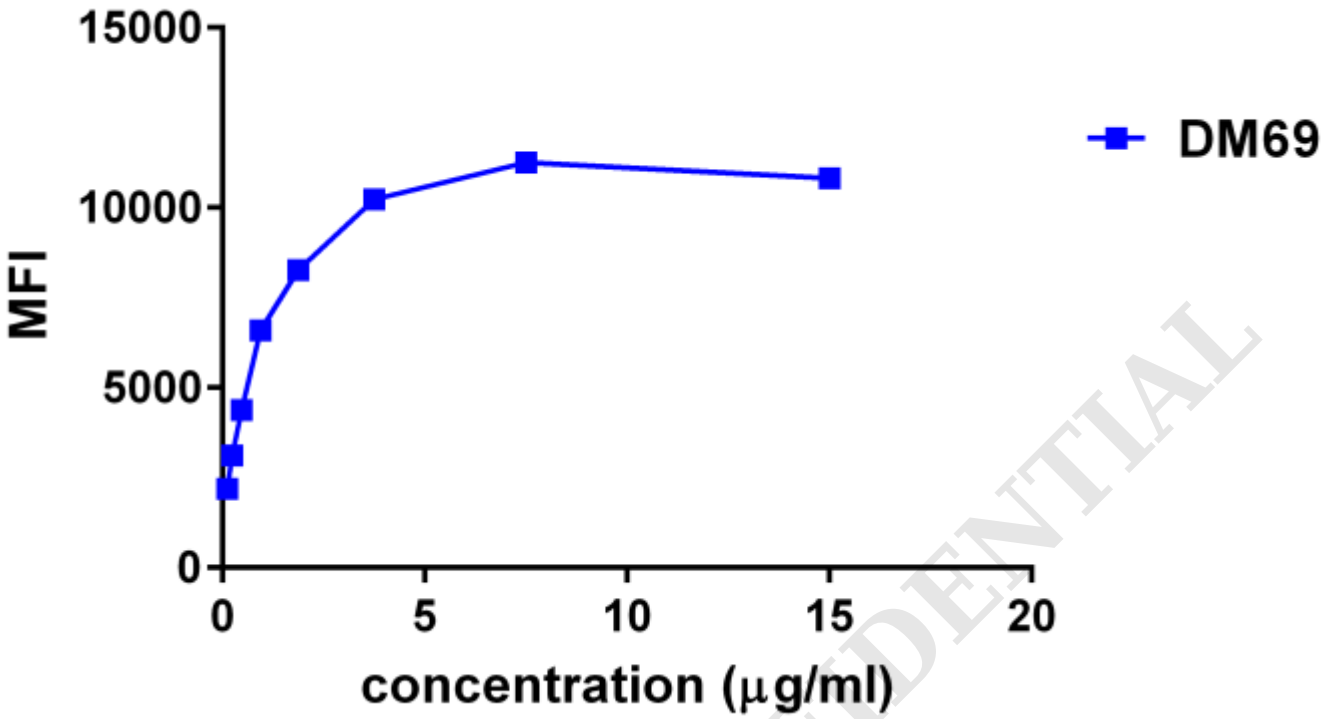

Figure 3. Flow cytometry data of serially titrated Rabbit anti-2B4 monoclonal antibody (**clone: DM69**) on THP-1 cells. The Y-axis represents the mean fluorescence intensity (MFI) while the X-axis represents the concentration of IgG used.

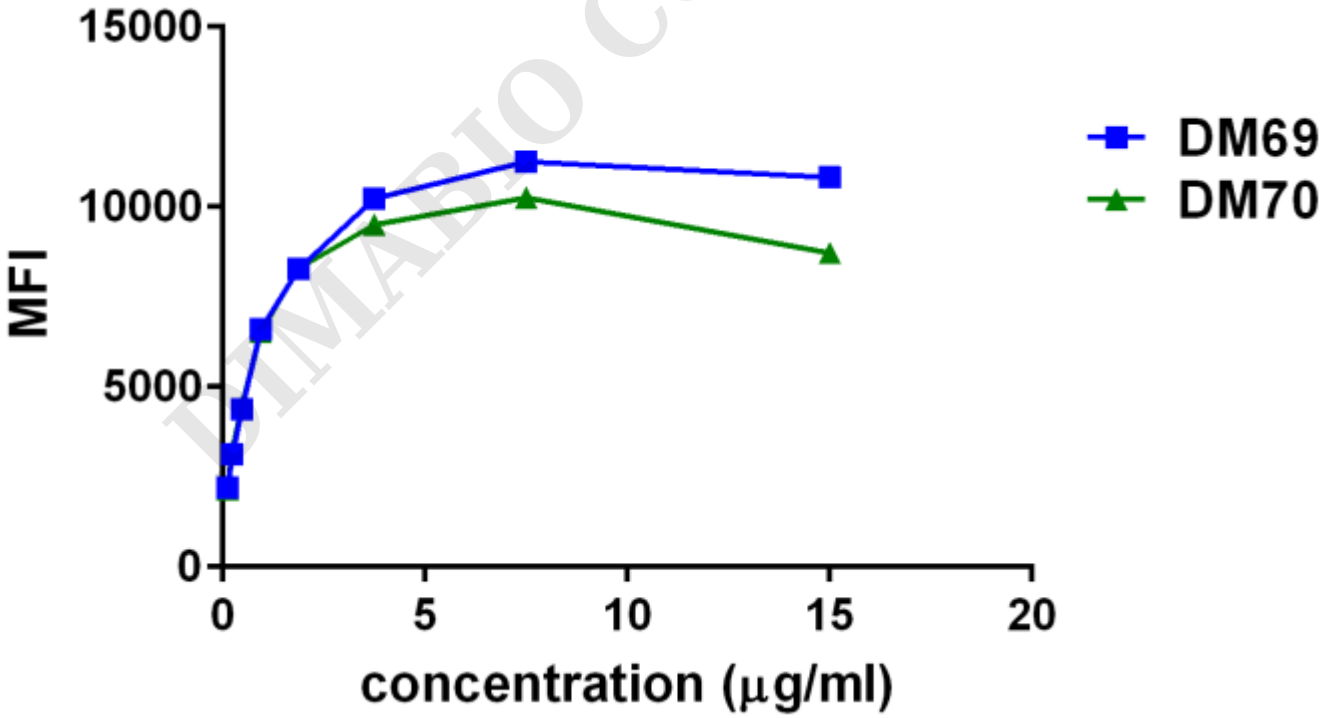

Figure 4. Affinity ranking of different Rabbit anti-2B4 mAb clones by titration of different concentration onto THP-1 cells. The Y-axis represents the mean fluorescence intensity (MFI) while the X-axis represents the concentration of IgG used.

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