

## 12-9057: Anti-2B4 antibody(DM70), Rabbit mAb

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	DM70
<b>Application :</b>	ELISA,FACS
<b>Reactivity :</b>	Human
<b>Alternative Name :</b>	CD244,2B4,SLAMF4,NKR2B4,NAIL,h2B4
<b>Isotype :</b>	Rabbit IgG
<b>Immunogen Information :</b>	Recombinant human 2B4 (Cys22-Ala221) produced by using human HEK293 cells

### Description

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.

### Product Info

<b>Amount :</b>	100 µg
<b>Purification :</b>	Purified from cell culture supernatant by affinity chromatography
<b>Content :</b>	Preservative: 0.1% Procline 300 Constituents: 50% Glycerol; PBS,pH 7.4; 0.1% BSA Not Sterile
<b>Storage condition :</b>	Store at -20°C for 12 months (Avoid repeated freezing and thawing)

### Application Note

Recommended Dilutions ELISA 1/5000-10000;FACS 1/100

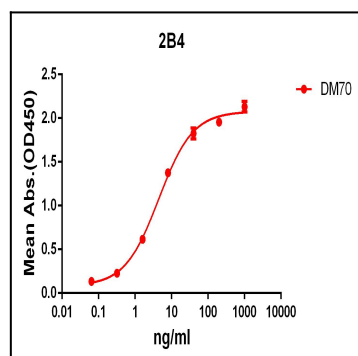


Figure 1. ELISA plate pre-coated by 2 µg/ml (100 µl/well) Human 2B4 protein, mFc-His tagged protein can bind Rabbit anti-2B4 monoclonal antibody (clone: DM70) in a linear range of 1-100 ng/ml.

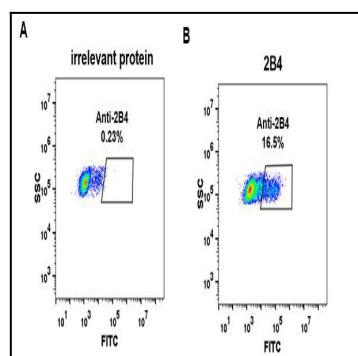


Figure 2. Expi 293 cell line transfected with irrelevant protein (A) and human 2B4 (B) were surface stained with Rabbit anti-2B4 monoclonal antibody 1 $\mu$ g/ml (clone: DM70) followed by Alexa 488-conjugated anti-rabbit IgG secondary antibody.

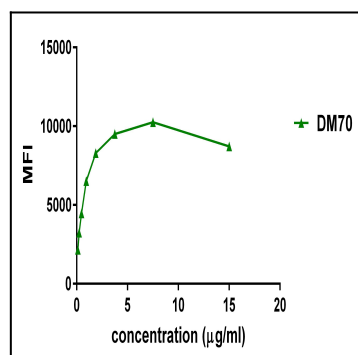


Figure 3. FACS data of serially titrated Rabbit anti-2B4 monoclonal antibody (clone: DM70) on THP-1 cells. The Y-axis represents the mean fluorescence intensity (MFI) while the X-axis represents the concentration of IgG used.

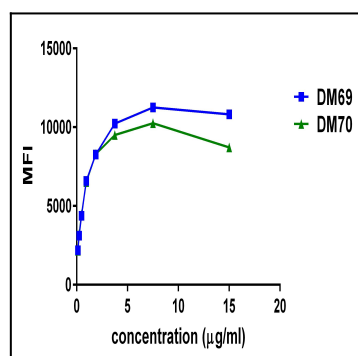


Figure 4. Affinity ranking of different Rabbit anti-2B4 mAb clones by titration of different concentration onto THP-1 cells. The Y-axis represents the mean fluorescence intensity (MFI) while the X-axis represents the concentration of IgG used.