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

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|---|---|
| **Clonality :** | Monoclonal |
| **Clone Name :** | DM70 |
| **Application :** | ELISA,FACS |
| **Reactivity :** | Human |
| **Alternative Name :** | CD244,2B4,SLAMF4,NKR2B4,NAIL,h2B4 |
| **Isotype :** | Rabbit IgG |
| **Immunogen Information :** | Recombinant humanÂ 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

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

## Application Note

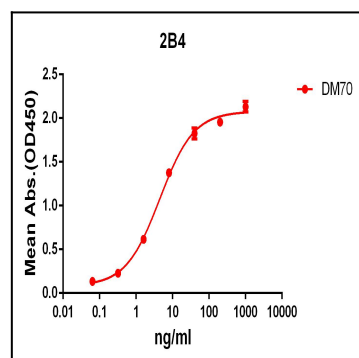Recommended Dilutions ELISA 1/5000-10000;FACS  1/100



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.

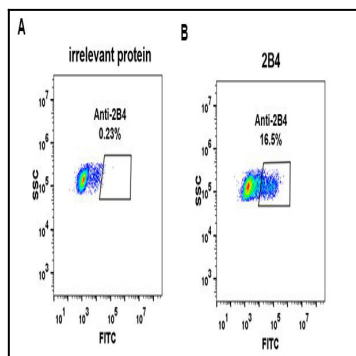*For Research Use Only. Not for use in diagnostic/therapeutics procedures.*

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: DM70) followed by Alexa 488-conjugated anti-rabbit IgG secondary antibody.
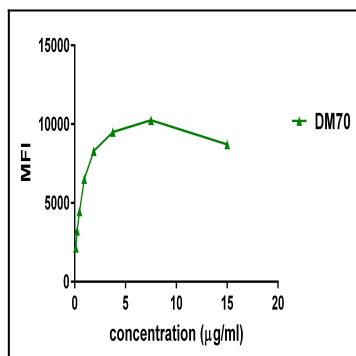


Figure 3. FACS data of serially titrated Rabbit anti-2B4 monoclonal antibody (clone: DM70) on THP-1 cells. The Y-axis represents the mean fluorescence intensity (MFI) while the X-axis represents the concentration of IgG used.
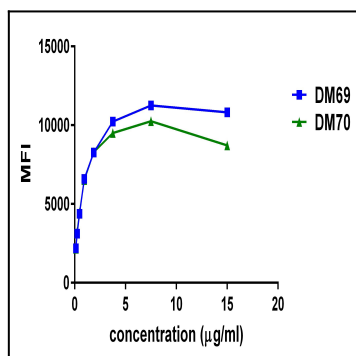


Figure 4. Affinity ranking of different Rabbit anti-2B4 mAb clones by titration of different concentration onto THP-1 cells. The Y-axis represents the mean fluorescence intensity (MFI) while the X-axis represents the concentration of IgG used.