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

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

Amount :	100 µg
Purification :	Purified from cell culture supernatant by affinity chromatography
Content :	Preservative: 0.1% Procline 300 Constituents: 50% Glycerol; PBS,pH 7.4; 0.1% BSA 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

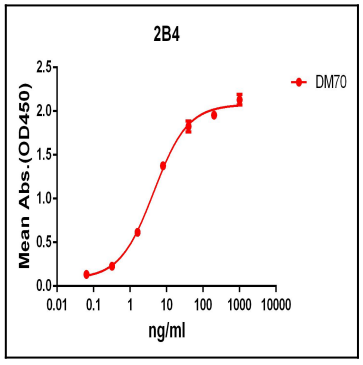


Figure 1. ELISA plate pre-coated by 2 µg/ml (100 µl/well) Human 2B4 protein, mFc-His tagged protein can bind Rabbit anti-2B4 monoclonal antibody (clone: DM70) in a linear range of 1-100 ng/ml.

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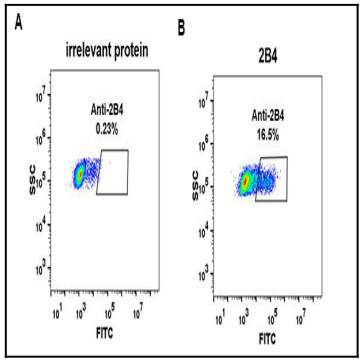


Figure 2. Expi 293 cell line transfected with irrelevant protein (A) and human 2B4 (B) were surface stained with Rabbit anti-2B4 monoclonal antibody 1µg/ml (clone: DM70) followed by Alexa 488-conjugated anti-rabbit IgG secondary antibody.

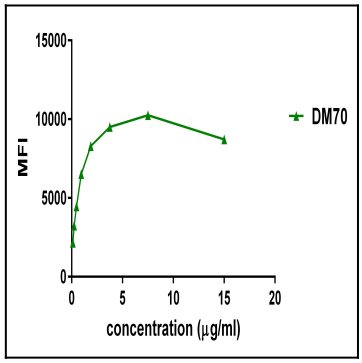


Figure 3. FACS data of serially titrated Rabbit anti-2B4 monoclonal antibody (clone: DM70) on THP-1 cells. The Y-axis represents the mean fluorescence intensity (MFI) while the X-axis represents the concentration of IgG used.

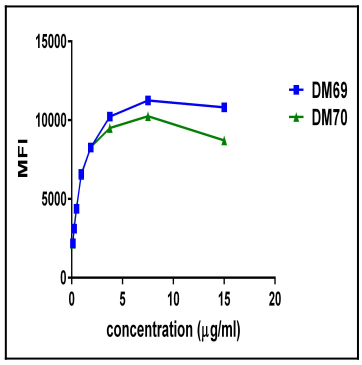


Figure 4. Affinity ranking of different Rabbit anti-2B4 mAb clones by titration of different concentration onto THP-1 cells. The Y-axis represents the mean fluorescence intensity (MFI) while the X-axis represents the concentration of IgG used.

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