

## 12-9051: Anti-CD28 antibody(DM64), Rabbit mAb(Discontinued)

|                                |  |
|--------------------------------|--|
| <b>Clonality :</b>             | Monoclonal   |
| <b>Clone Name :</b>            | DM64   |
| <b>Application :</b>           | ELISA,FACS   |
| <b>Reactivity :</b>            | Human  |
| <b>Alternative Name :</b>      | CD28, Tp44   |
| <b>Isotype :</b>               | Rabbit IgG   |
| <b>Immunogen Information :</b> | Recombinant human CD28 (Asn19-Pro152) produced by using human HEK293 cells |

### Description

The protein encoded by this gene is essential for T-cell proliferation and survival, cytokine production, and T-helper type-2 development. Several 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<br>Constituents: 50% Glycerol; PBS, pH 7.4; 0.1% BSA<br>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

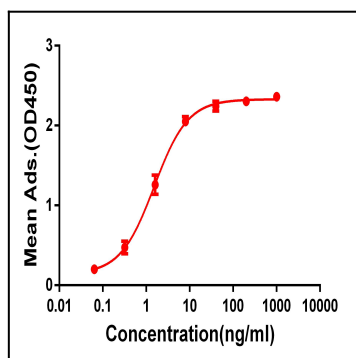


Figure 1. ELISA plate pre-coated by 2 µg/ml (100 µl/well) Human CD28 protein, mFc-His tagged protein can bind Rabbit anti-CD28 monoclonal antibody (clone: DM64) in a linear range of 1-100 ng/ml.

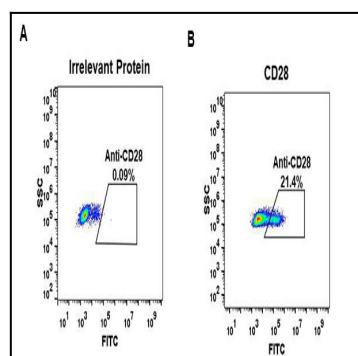


Figure 2. Expi 293 cell line transfected with irrelevant protein (A) and human CD28 (B) were surface stained with Rabbit anti-CD28 monoclonal antibody 1 $\mu$ g/ml (clone: DM64) followed by Alexa 488-conjugated anti-rabbit IgG secondary antibody.

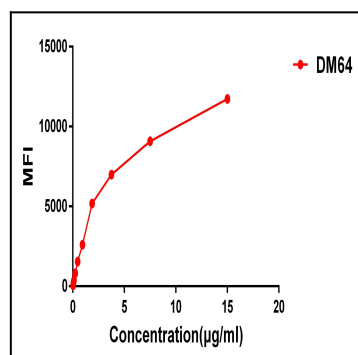


Figure 3. FACS data of serially titrated Rabbit anti-CD28 monoclonal antibody (clone: DM64) on Jurkat cells. The Y-axis represents the mean fluorescence intensity (MFI) while the X-axis represents the concentration of IgG used.

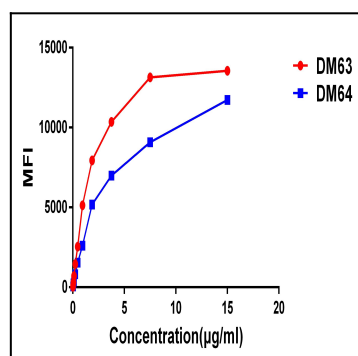


Figure 4. Affinity ranking of different Rabbit anti- CD28 mAb clones by titration of different concentration onto Jurkat cells. The Y-axis represents the mean fluorescence intensity (MFI) while the X-axis represents the concentration of IgG used.