

## 12-9050: Anti-CD28 antibody(DM63), Rabbit mAb

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	DM63
<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 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

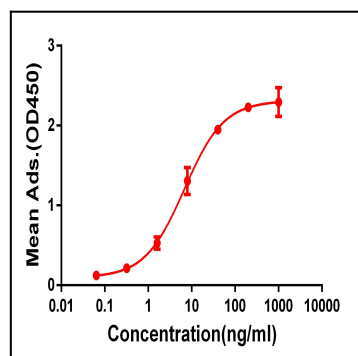


Figure 1. ELISA plate pre-coated by 2 µg/ml (100 µl/well) Human CD28 protein, mFc-His tagged protein can bind Rabbit anti-CD28 monoclonal antibody (clone: DM63) in a linear range of 1-100 ng/ml.

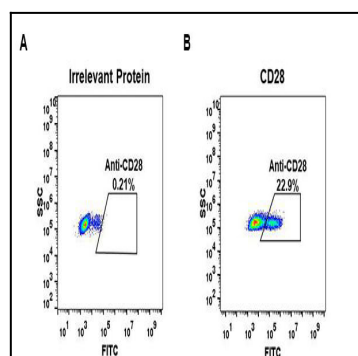


Figure 2. Expi 293 cell line transfected with irrelevant protein (A) and human CD28 (B) were surface stained with Rabbit anti-CD28 monoclonal antibody 1 $\mu$ g/ml (clone: DM63) followed by Alexa 488-conjugated anti-rabbit IgG secondary antibody.

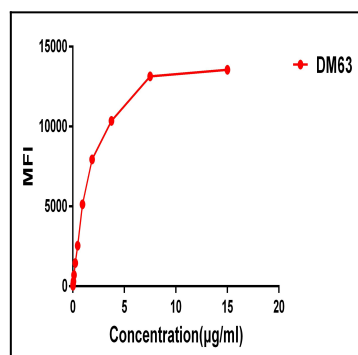


Figure 3. FACS data of serially titrated Rabbit anti-CD28 monoclonal antibody (clone: DM63) on Jurkat cells. The Y-axis represents the mean fluorescence intensity (MFI) while the X-axis represents the concentration of IgG used.

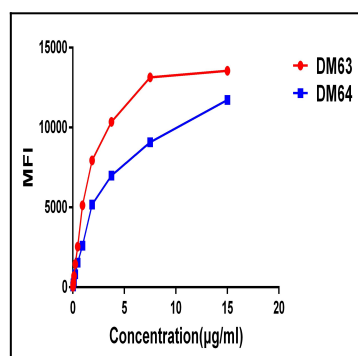


Figure 4. Affinity ranking of different Rabbit anti- CD28 mAb clones by titration of different concentration onto Jurkat cells. The Y-axis represents the mean fluorescence intensity (MFI) while the X-axis represents the concentration of IgG used.