

CD28 (DM64) RABBIT MAB

Cat.#: 28371

Product Name: Anti-CD28(DM64) Rabbit Monoclonal Antibody

Synonyms: CD28; Tp44

Description: Anti-CD28 antibody(DM64) Rabbit Monoclonal Antibody

Background: 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.

Applications: ELISA; Flow Cyt

Recommended Dilutions: ELISA 1:5000-10000; Flow Cyt 1:100

Host Species: Rabbit

Isotype: Rabbit IgG

Purification: Purified from cell culture supernatant by affinity chromatography

Species Reactivity: Human CD28

Constituents: Lyophilized from sterile PBS, pH 7.4. 5 % - 8 % trehalose is added as protectants before lyophilization.

Storage & Shipping: Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing).

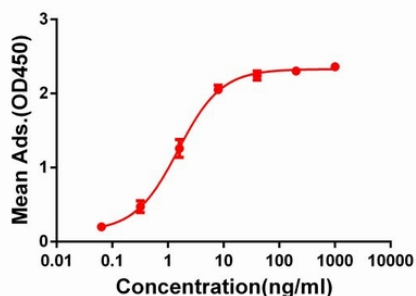


Figure 1. ELISA plate pre-coated by 2 µg/ml (100 µl/well) Human CD28 protein, mFc-His tagged protein 11142 can bind Rabbit anti-CD28 monoclonal antibody (clone: DM64) in a linear range of 1-100 ng/ml.

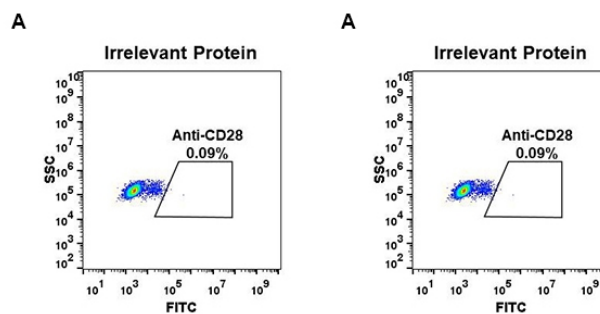


Figure 2. Expi 293 cell line transfected with irrelevant protein (A) and human CD28 (B) were surface stained with Rabbit anti-CD28 monoclonal antibody 1 µg/ml (clone: DM64) followed by Alexa 488-conjugated anti-rabbit IgG secondary antibody.

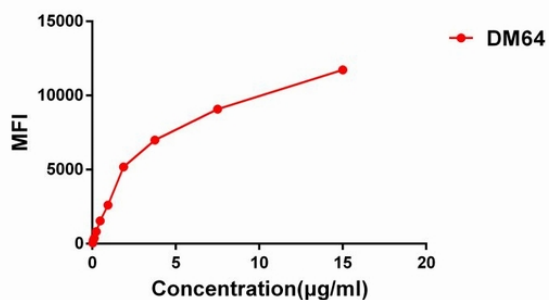


Figure 3. Flow cytometry data of serially titrated Rabbit anti-CD28 monoclonal antibody (clone: DM64) on Jurkat cells. The Y-axis represents the mean fluorescence intensity (MFI) while the X-axis represents the concentration of IgG used.

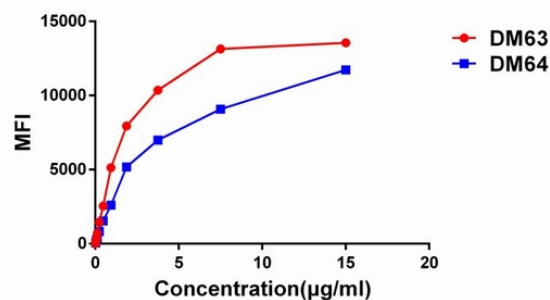


Figure 4. Affinity ranking of different Rabbit anti-CD28 mAb clones by titration of different concentration onto Jurkat cells. The Y-axis represents the mean fluorescence intensity (MFI) while the X-axis represents the concentration of IgG used.