

## **PRODUCT INFORMATION**

Warning: Undefined variable ShasAttributeValueDescription in C:\u00e4wroot\u00e4mirror.dimablo.com\u00e4wp-content\plugins\u00e4woocommerce-print-products\u00e4public\u00e4class-woocommerce-print-products-public.php on line 2806
bM63 Clone ID

CD28 CD28; Tp44 Host Species Rabbit

Anti-CD28 antibody(DM63); Rabbit mAb Description Delivery In Stock

Uniprot ID P10747 IgG type Rabbit IgG Clonality Monoclonal Reactivity Human ELISA; Flow Cyt Application

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

Purification Purified from cell culture supernatant by affinity chromatography

Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis fo specific instructions of reconstitution. Formulation & Reconstitution

Store at -20°C to -80°C for I2 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). Lyophilized proteins are shipped at ambient temperature. The protein encoded by this gene is essential for T-cell proliferation and survivals; cytokine production; and T-helper type-2 development. Several attentively spliced transcript variants encoding different isoforms have been found for this gene. Research use only Storage & Shipping

Background

Conjugate Unconjugated

All DIMA recombinant antibodies are genuinely generated by DIMA Biotech. They are all under patent application. Any protein sequencing or reverse engineering attempt is prohibited. We are actively scrutinizing all patent application to ensure no IP infringement. DIMA Disclaimer

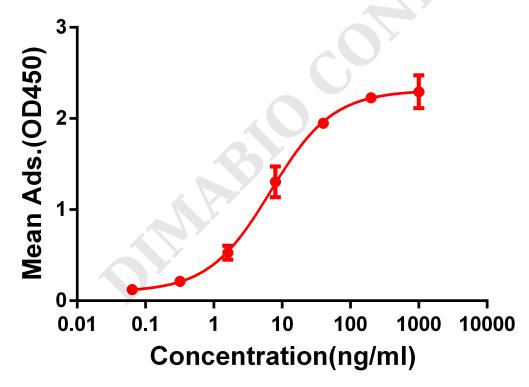


Figure 1. ELISA plate pre-coated by 2  $\mu$ g/ml (100  $\mu$ l/well) Human CD28 protein, mFc-His tagged protein PME100014 can bind Rabbit anti-CD28 monoclonal antibody ( clone: DM63) in a linear range of 1-100 ng/ml.

Email: info@dimabio.com Website: www.dimabio.com

Address: Wuhan institute of Biotechnology B7, Biolake No.666 Gaoxin Road, Wuhan, Hubei, China Telephone: +1 2409940618(USA) /+86-18062749453(China) /+86-400-006-0995(China)





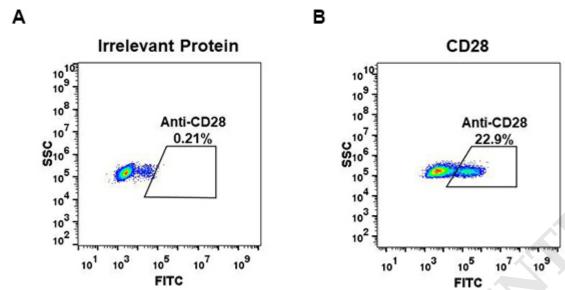


Figure 2. HEK293 cell line transfected with irrelevant protein (A) and human CD28 (B) were surface stained with Rabbit anti-CD28 monoclonal antibody  $1\mu g/ml$  ( clone: DM63) followed by Alexa 488-conjugated anti-rabbit IgG secondary antibody.

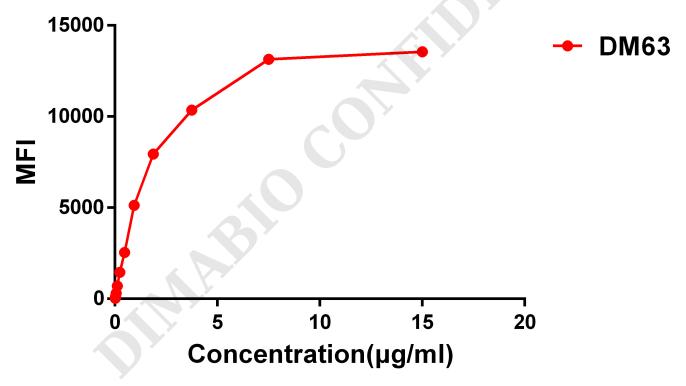


Figure 3. Flow cytometry data of serially titrated Rabbit anti-CD28 monoclonal antibody ( clone: DM63) on Jurkat cells. The Y-axis represents the mean fluorescence intensity (MFI) while the X-axis represents the concentration of IgG used.

Email: info@dimabio.com Website: www.dimabio.com





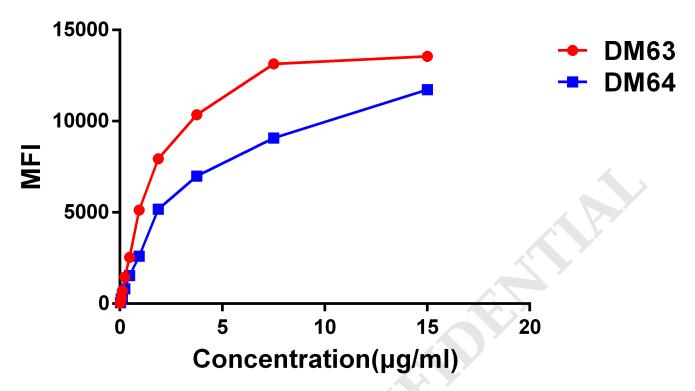


Figure 4. Affinity ranking of different Rabbit anti- CD28 mAb clones by titration of different concentration onto Jurkat cells. The Y-axis represents the mean fluorescence intensity (MFI) while the X-axis represents the concentration of IgG used.

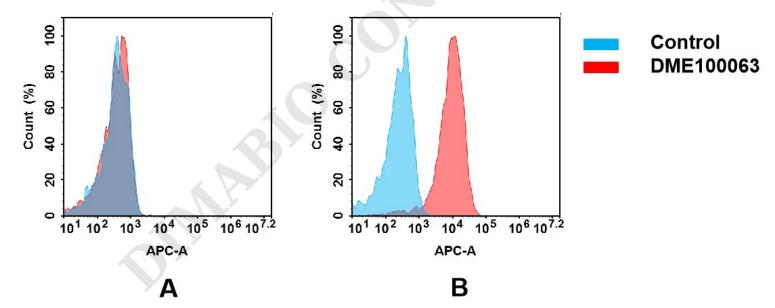


Figure 5. Flow cytometry analysis of antigen binding of rabbit anti-human CD28 mAb(DME100063).

(A) DME100063 does not bind to 293T cells that do not express CD28. (B) A clear peak shift of DME100063 was seen compared to the control when incubated with CD28-expressing Jurkat cells, indicating strong binding of DME100063 to CD28. Antibodies were incubated at 2  $\mu$ g/mL.



Email: info@dimabio.com Website: www.dimabio.com

