Purified Anti-Mouse CD28 Antibody[37.51]

catalog number: **E-AB-F1026A**

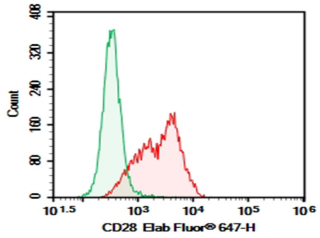
Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

Reactivity	Mouse
Immunogen	Recombinant Mouse CD28 protein
Host	Syrian Hamster
Isotype	Syrian Hamster IgG2
Clone	37.51
Purification	>98%, Protein A/G purified
Buffer	Phosphate-buffered solution, pH 7.2, containing 0.05% non-protein stabilizer. Dialyze to completely remove the stabilizer prior to labeling.

Applications	Recommended Dilution
FCM	≤ 0.2 μg per million cells in 100 μL volume

Data



C57/BL6 Mouse splenocytes were stained with 0.2 μg Purified Anti-Mouse CD28 Antibody[37.51] (Right) and 0.2 μg Syrian Hamster IgG2, κ Isotype Control (Left), followed by Elab Fluor® 647-conjugated Goat Anti-Syrian Hamster IgG Secondary Antibody, then anti-Mouse CD3 PE-conjugated Monoclonal Antibody. Data shown was gated on CD3 + cell population.

Preparation & Storage

Storage	Store at 4°C valid for 12 months or -20°C valid for long term storage, avoid freeze / thaw cycles.
Shipping	Ice bag

Background

CD28 is a 44 kD glycoprotein, also known as Tp44 or T44. It is a member of the Ig superfamily, expressed on thymocytes, most peripheral T cells, and NK cells. In association with CD80 (B7-1) and CD86 (B7-2), CD28 acts as the second signal for T and NK cell activation and proliferation. The 37.51 antibody has been reported to augment in vitro T cell proliferation and cytokine production, and promote CTL development.

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