

Purified Anti-Mouse CD3 Antibody[17A2]

catalog number: E-AB-F1013A

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

Description

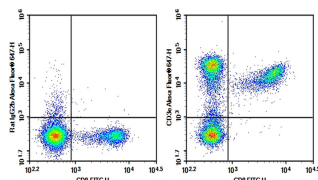
Reactivity	Mouse
Immunogen	Recombinant Mouse CD3 protein
Host	Rat
Isotype	Rat IgG2b, κ
Clone	17A2
Purification	>98%, Protein A/G purified
Conjugation	Unconjugated
buffer	Phosphate-buffered solution, pH 7.2, containing 0.05% non-protein stabilizer. Dialyze to completely remove the stabilizer prior to labeling.

Applications

Recommended Dilution

FCM	2 $\mu\text{g/mL}$ (1×10^5 - 5×10^5 cells)
------------	---

Data



C57/BL6 Mouse splenocytes were stained with 0.2 μg Purified Anti-Mouse CD3 Antibody[17A2](Right) and 0.2 μg Rat IgG2b, κ Isotype Control(Left), followed by Alexa Fluor[®] 647-conjugated Goat Anti-Rat IgG Secondary Antibody, then anti-Mouse CD8 FITC-conjugated Monoclonal Antibody.

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

CD3, also known as T3, is a member of the Ig superfamily and primarily expressed on T cells, NK-T cells, and at different levels on thymocytes during T cell differentiation. CD3 is composed of CD3 ϵ , δ , γ and ζ chains. It forms a TCR complex by associating with TCR α/β or γ/δ chains. CD3 plays a critical role in TCR signal transduction, T cell activation, and antigen recognition by binding the peptide/MHC antigen complex.

For Research Use Only