

Purified Anti-Mouse CD3 Antibody[17A2]

catalog number: E-AB-F1013A

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

Description

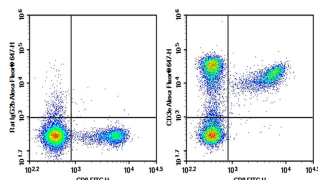
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|---------------------|--|
| Reactivity | Mouse |
| Immunogen | Recombinant Mouse CD3 protein |
| Host | Rat |
| Isotype | Rat IgG2b, κ |
| Clone | 17A2 |
| Purification | >98%, Protein A/G purified |
| Conjugation | Unconjugated |
| buffer | PBS, pH 7.2. Contains 0.05% proclin 300. |

Applications

Recommended Dilution

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|------------|---|
| 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

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|-----------------|--|
| 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.

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