Purified Anti-Mouse CD3ε Antibody[145-2C11]

catalog number: **E-AB-F1103A**

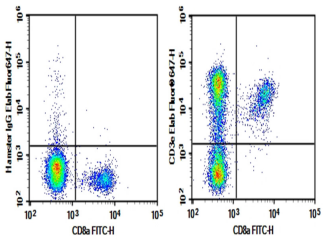
Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

Reactivity	Mouse
Immunogen	Recombinant Mouse CD3ε protein
Host	Armenian Hamster
Isotype	Armenian Hamster IgG
Clone	145-2C11
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 CD3ε Antibody[145-2C11](Right) and 0.2 μg Armenian Hamster IgG, κ Isotype Control(Left), followed by Elab Fluor® 647-conjugated Goat Anti-Armenian Hamster IgG Secondary Antibody, then anti-Mouse CD8a 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

CD3ε is a 20 kD transmembrane protein, also known as CD3 or T3. It 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. CD3ε forms a TCR complex by associating with the CD3δ, γ and ζ chains, as well as the 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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