

Manufacturer/Supplier:

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Product name: Anti-Mouse CD3 ϵ Monoclonal Antibody(PE
Conjugated)

Catalog: DL21239F

Synonyms: T-cell surface glycoprotein CD3 epsilon
chain, CD3E, T-cell surface antigen T3/Leu-4 epsilon
chain, CD3e, CD3E, T3E

Background: CD3 ϵ 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. CD3 ϵ forms a TCR complex by associating with the CD3 δ , 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.

Form: Liquid

Isotype: Armenian Hamster IgG

Size: 25µg/100µg

Host: Armenian Hamster

Reactivity: Mouse

Application: FCM

Concentration: 0.2 mg/mL

Conjugation: PE

SwissProt: P22646

Buffer: Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer and 1% protein protectant.

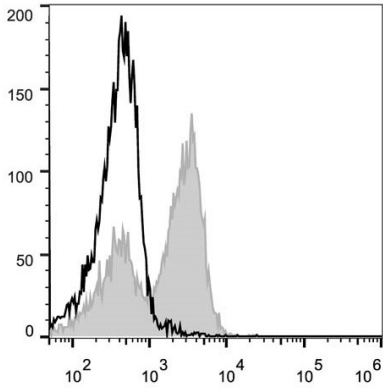
Recommended Use:

Each lot of this antibody is quality control tested by flow cytometric analysis. Please check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for individual use. We suggest each investigator should titrate the reagent to obtain optimal results [The recommended concentration is 0.1-1 µg/10⁶ cells in 100 µL volume].

Data:

C57BL/6 murine splenocytes are stained with Anti-Mouse CD3ε Monoclonal Antibody(PE Conjugated)[Used at 0.02 µg/10⁶ cells

dilution](filled gray histogram). Unstained splenocytes (empty black histogram) are used as control.



Storage:

Keep as concentrated solution.

Store at 2~8°C and protected from prolonged exposure to light. Do not freeze.

This product is guaranteed up to one year from purchase.