

Manufacturer/Supplier:

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

Catalog: DL21228F

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: 0.5 mg/mL

Conjugation: Biotin

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. For flow cytometric staining, the suggested use of this reagent is $\leq 1.0 \mu\text{g}$ per 10^6 cells in 100 μL volume or 100 μL of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.

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.