

**Manufacturer/Supplier:**

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**Product name:** Anti-Mouse CD3 $\epsilon$  Monoclonal Antibody(AF647  
Conjugated)

**Catalog:** DL21237F

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

**Background:** CD3 $\epsilon$  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 $\epsilon$  forms a TCR complex by associating with the CD3 $\delta$ ,  $\gamma$  and  $\zeta$  chains, as well as the TCR  $\alpha/\beta$  or  $\gamma/\delta$  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:**

**Host:** Armenian Hamster

50Tests/100Tests/100Tests×2

**Reactivity:** Mouse

**Application:** FCM

**Concentration:** 5  $\mu$ L

**Conjugation:** AF647

**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. The amount of the reagent is suggested to be used 5  $\mu$ L of antibody per test (million cells in 100  $\mu$ L staining volume or per 100  $\mu$ L of whole blood). Please check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for individual use.

**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.