

**Manufacturer/Supplier:**

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**Product name:** Anti-Mouse CD3 $\epsilon$  Monoclonal Antibody(AF488  
Conjugated)

**Catalog:** DL21236F

**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 µL

**Conjugation:** AF488

**SwissProt:** P22646

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

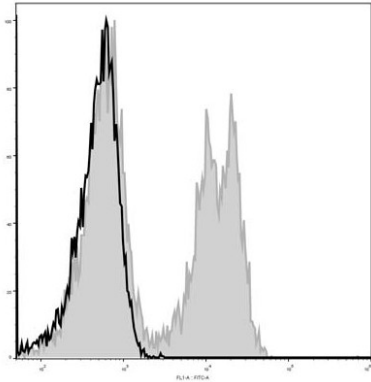
### **Recommended Use:**

Each lot of this antibody is quality control tested by flow cytometric analysis. The amount of the reagent is suggested to be used 5 µL of antibody per test (million cells in 100 µL staining volume or per 100 µL of whole blood). Please check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for individual use.

### **Data:**

C57BL/6 murine splenocytes are stained with Anti-Mouse CD3ε Monoclonal Antibody (AF488 Conjugated)(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.