

**Manufacturer/Supplier:**

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**Product name:** Anti-Mouse CD4 Monoclonal Antibody(AF647  
Conjugated)

**Catalog:** DL21151F

**Synonyms:** T-cell surface glycoprotein CD4, CD4, T-cell surface  
antigen T4/Leu-3, CD4

**Background:** CD4 is a 55 kD protein also known as L3T4 or T4. It is a member of the Ig superfamily, primarily expressed on most thymocytes, a subset of T cells, and weakly on macrophages and dendritic cells. It acts as a coreceptor with the TCR during T cell activation and thymic differentiation by binding MHC class II and associating with the protein tyrosin kinase, lck.

**Form:** Liquid

**Isotype:** Rat IgG2b,  $\kappa$

**Size:** 25µg/100µg

**Host:** Rat

**Reactivity:** Mouse

**Application:** FCM

**Concentration:** 0.5 mg/mL

**Conjugation:** AF647

**SwissProt:** P06332

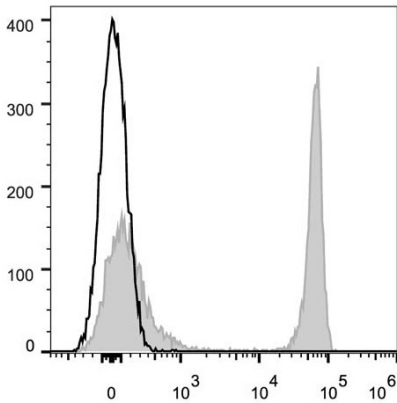
**Buffer:** Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer and 1% protein protectant.

### **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/10<sup>6</sup>cells in 100 µL volume].

### **Data:**

C57BL/6 murine splenocytes are stained with Anrti-Mouse CD4 Monoclonal Antibody(AF647 Conjuaged)[Used at 0.05 µg/10<sup>6</sup> 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.