

**Manufacturer/Supplier:**

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**Product name:** Purified Anti-Mouse CD4 Monoclonal Antibody

**Catalog:** DL21130F

**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, WB, IHC, IP

**Concentration:** 0.5 mg/mL

**Conjugation:** Unconjugated

**SwissProt:** P06332

**Buffer:** Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer.

### **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  $\leq 2.0 \mu\text{g}$  per  $10^6$  cells in  $100 \mu\text{L}$  volume or  $100 \mu\text{L}$  of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.

### **Storage:**

Keep as concentrated solution.

Store at  $2\sim 8^\circ\text{C}$ . Do not freeze.

This product is guaranteed up to one year from purchase.