

**Manufacturer/Supplier:**

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**Product name:** Anti-Human CD4 Monoclonal  
Antibody(PE/Cyanine5.5 Conjugated)

**Catalog:** DL21330F

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

**Background:** CD4, also known as T4/Leu-3, is a 55 kD single-chain type I transmembrane glycoprotein and member of the immunoglobulin superfamily. It is expressed on most thymocytes, helper T cells, type II NKT cells, and monocytes/macrophages. CD4 is part of the TCR/CD3 complex, binds to  $\beta 2$  domain from the MHC class II molecule, and participates in TCR signal transduction. CD4 is the receptor of IL-16 and is a coreceptor for the human immunodeficiency virus (HIV) and human herpes virus 7 (HHV-7).

**Form:** Liquid

**Isotype:** Mouse IgG1,  $\kappa$

**Size:**

20Tests/100Tests/100Tests $\times$ 2

**Host:** Mouse

**Reactivity:** Human

**Application:** FCM

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

**Conjugation:** PE/Cyanine5.5

**SwissProt:** P01730

**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.