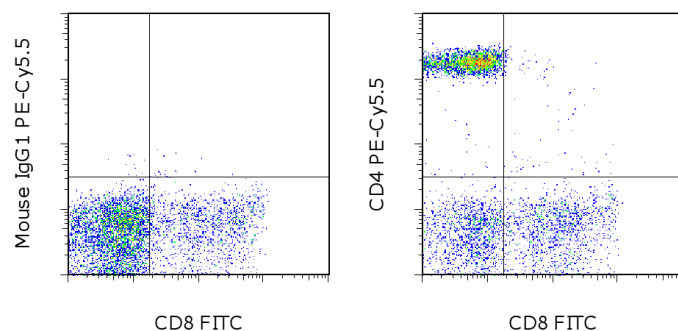


## Anti-Human CD4 PE-Cy5.5

**Catalog Number:** 35-0047

**Also known as:** Leu-3, T4

**RUO: For Research Use Only. Not for use in diagnostic procedures.**



Staining of normal human peripheral blood cells with Anti-Human CD8a FITC (cat. 11-0088) and Mouse IgG1 K Isotype Control PE-Cy5.5 (cat. 35-4714) (left) or Anti-Human CD4 PE-Cy5.5 (right). Cells in the lymphocyte gate were used for analysis.

### Product Information

**Contents:** Anti-Human CD4 PE-Cy5.5

**Catalog Number:** 35-0047

**Clone:** SK3 (SK-3)

**Concentration:** 5  $\mu$ L (0.125  $\mu$ g)/test

**Host/Isotype:** Mouse IgG1, kappa

**Formulation:** aqueous buffer, 0.09% sodium

azide, may contain carrier protein/stabilizer

**Temperature Limitation:** Store at 2-8°C. Do not freeze. Light-sensitive material.

**Batch Code:** Refer to vial

**Use By:** Refer to vial

**Contains sodium azide**



### Description

The SK3 monoclonal antibody reacts with human CD4, a 59-kDa cell surface receptor expressed by a majority of thymocytes, a subpopulation of mature T helper cells, and at low levels on monocytes. CD4 is a receptor for the human immunodeficiency virus (HIV). SK3 blocks HIV binding and mixed lymphocyte reaction. The SK3 and RPA-T4 monoclonal antibodies do not cross-block binding, suggesting recognition of distinct epitopes.

### Applications Reported

This SK3 (SK-3) antibody has been reported for use in flow cytometric analysis.

### Applications Tested

This SK3 (SK-3) antibody has been pre-titrated and tested by flow cytometric analysis of normal human peripheral blood cells. This can be used at 5  $\mu$ L (0.125  $\mu$ g) per test. A test is defined as the amount ( $\mu$ g) of antibody that will stain a cell sample in a final volume of 100  $\mu$ L. Cell number should be determined empirically but can range from  $10^5$  to  $10^8$  cells/test.

### References

Knapp W, Dorken B, et al, eds. Leucocyte Typing IV: White Cell Differentiation Antigens. Oxford University Press. New York. 1989.

Bernard A, Boumsell L, Hill C. Joint report of the first international workshop on human leucocyte differentiation antigens by the investigators of the participating laboratories. In: Bernard A, Boumsell L, Dausset J, Milstein C, Schlossman SF, eds. Leucocyte Typing. New York, NY: Springer-Verlag; 1984:9-108.

### Related Products

00-4222 Flow Cytometry Staining Buffer

11-0088 Anti-Human CD8a FITC (RPA-T8)

17-0199 Anti-Human CD19 APC (HIB19)

35-4714 Mouse IgG1 K Isotype Control PE-Cy5.5 (P3.6.2.8.1)

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