CREATIVE BIOMART®
Assay Kit

Anti-Human CD4 PE-Cy7 Antibody

Product Information

Applications

The Anti-Human CD4 PE-Cy7 Antibody is a tandem-dye-conjugated monoclonal antibody for flow cytometric detection of CD4 helper/inducer T lymphocytes in human biological specimens. CD4 is a 55 kDa transmembrane glycoprotein that serves as a co-receptor for the T-cell receptor (TCR), binding to MHC class II molecules and playing an essential role in adaptive immune responses. As a tandem conjugate of PE and Cy7, this antibody can be excited at 488 nm or 561 nm with far-red emission (~785 nm), expanding the usable detection channels in complex multi-color panels. This antibody supports high-dimensional immunophenotyping for CD4/CD8 ratio analysis, regulatory T-cell characterization, immune reconstitution monitoring post-transplantation, and HIV/AIDS disease staging.

Storage

2–8°C

Detection method Flow Cytometry (FCM)

Detection Item

Helper T Cells
CD4/CD8 Ratio
Lymphocyte Subsets

Target Species

Human

Target

CD4

Fluorochrome

PE-Cy7

Shelf Life

12–24 Months

Tel: 1-631-559-9269 1-516-512-3133
Email:info@creative-biomart.org
Fax:1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

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Packing

50/100 Tests/Kit

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