CREATIVE BIOMART®
Assay Kit

Anti-Human CD4 APC Antibody

Product Information

Applications

The Anti-Human CD4 APC Antibody is a fluorochrome-conjugated monoclonal antibody for flow cytometric detection of CD4, the 55 kDa helper/inducer T-cell marker and co-receptor for MHC class II-restricted TCR signaling. CD4 is expressed on approximately 60–70% of peripheral blood T lymphocytes (helper T cells), as well as on regulatory T cells, monocytes, and dendritic cells. Accurate enumeration of CD4□ T cells is essential for immune status evaluation in HIV/AIDS clinical monitoring, transplantation immunology, and autoimmune disease research. Conjugated to allophycocyanin (APC; Ex/Em: 650 nm / 660 nm), this antibody delivers bright, stable fluorescence with low background, making it well suited for multi-color immunophenotyping alongside FITC, PE, and PerCP conjugates.

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

APC

Shelf Life

12–24 Months

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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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