CREATIVE BIOMART®
Assay Kit

# Anti-Human CD4 FITC Antibody

## Product Information

**Applications**

The Anti-Human CD4 FITC Antibody is a fluorochrome-conjugated monoclonal antibody for flow cytometric detection of CD4, a 55 kDa glycoprotein that functions as a co-receptor for the T-cell receptor (TCR) in MHC class II-restricted antigen recognition. CD4 is the defining marker of helper/inducer T lymphocytes and is also expressed on monocytes, macrophages, and dendritic cells at lower levels. CD4 T-cell enumeration is a critical parameter for immune status monitoring — particularly in HIV/AIDS patient management where CD4 count guides clinical decision-making — and for assessing CD4/CD8 ratios in immunological research. Conjugated to fluorescein isothiocyanate (FITC; Ex/Em: 495 nm / 519 nm), this antibody is compatible with standard flow cytometry instruments and multi-color lymphocyte subset analysis panels.

**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**

FITC

**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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