

## Product datasheet

# Anti-CD4 antibody [B-A1] (FITC) ab59474

★★★★★ 4 Abreviews 1 References 画像数 2

### 製品の概要

製品名	Anti-CD4 antibody [B-A1] (FITC)
製品の詳細	Mouse monoclonal [B-A1] to CD4 (FITC)
由来種	Mouse
標識	FITC. Ex: 493nm, Em: 528nm
特異性	Recognises a 55 kDa protein
アプリケーション	<b>適用あり:</b> Flow Cyt
種交差性	<b>交差種:</b> Human, Cynomolgus monkey
免疫原	PHA activated T cells

### 製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at +4°C.
バッファー	Preservative: 0.1% Sodium Azide Constituents: 5% BSA, PBS
精製度	Ion Exchange Chromatography
ポリモノ	モノクローナル
クローン名	B-A1
ミエローマ	x63-Ag8.653
アイソタイプ	IgG2a

### アプリケーション

Our [Abpromise guarantee](#) covers the use of **ab59474** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

アプリケーション	Abreviews	特記事項
Flow Cyt	★★★★★	

### 追加情報

Flow Cyt: Use 10µl for 10<sup>6</sup> cells or 100µl of blood.

Not yet tested in other applications.

Optimal dilutions/concentrations should be determined by the end user.

## ターゲット情報

### 機能

Accessory protein for MHC class-II antigen/T-cell receptor interaction. May regulate T-cell activation. Induces the aggregation of lipid rafts.

### 配列類似性

Contains 3 Ig-like C2-type (immunoglobulin-like) domains.

Contains 1 Ig-like V-type (immunoglobulin-like) domain.

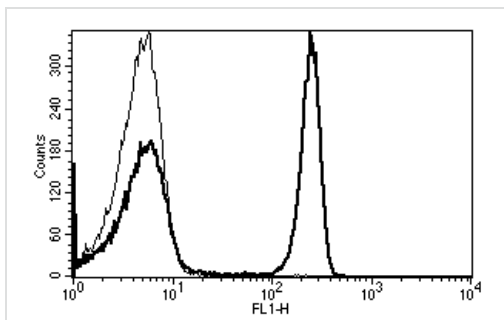
### 翻訳後修飾

Palmitoylation and association with LCK contribute to the enrichment of CD4 in lipid rafts.

### 細胞内局在

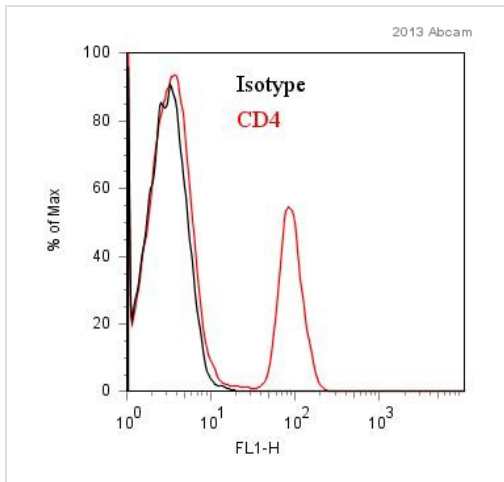
Cell membrane. Localizes to lipid rafts. Removed from plasma membrane by HIV-1 Nef protein that increases clathrin-dependent endocytosis of this antigen to target it to lysosomal degradation. Cell surface expression is also down-modulated by HIV-1 Envelope glycoprotein gp160 that interacts with, and sequesters CD4 in the endoplasmic reticulum.

## 画像



A typical staining pattern with the B-A1 monoclonal antibody of lymphocytes.

Flow Cytometry - Anti-CD4 antibody [B-A1] (FITC)  
(ab59474)



Flow Cytometry - Anti-CD4 antibody [B-A1] (FITC)  
(ab59474)

This image is courtesy of an anonymous Abreview

Flow cytometry analysis of Cynomolgus Monkey whole blood after red blood cell lysis, staining CD4 with ab59474. Cells were fixed with paraformaldehyde. The sample was incubated with the primary antibody (1/100 in 1% BSA in PBS) for 1 hour at 4°C.

**Gating Strategy:** Live lymphocytes

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