

## Product datasheet

# Anti-CD4 antibody [CT-4] (FITC) ab24896

### 1 References

#### 概述

<b>产品名称</b>	Anti-CD4抗体[CT-4] (FITC)
<b>描述</b>	小鼠单克隆抗体[CT-4] to CD4 (FITC)
<b>宿主</b>	Mouse
<b>偶联物</b>	FITC. Ex: 493nm, Em: 528nm
<b>特异性</b>	ab24896 recognises CD4.
<b>经测试应用</b>	<b>适用于:</b> Functional Studies, Flow Cyt, IP, IHC-Fr
<b>种属反应性</b>	<b>与反应:</b> Chicken, Turkey
<b>免疫原</b>	The details of the immunogen for this antibody are not available.
<b>常规说明</b>	ab24896 inhibits both PHA- and Con A-induced proliferative responses of splenocytes, and PWM-induced IL-2 production.

#### 性能

<b>形式</b>	Liquid
<b>存放说明</b>	Shipped at 4°C. Store at +4°C.
<b>存储溶液</b>	Preservative: 0.1% Sodium Azide Constituents: PBS
<b>纯度</b>	IgG fraction
<b>Primary antibody说明</b>	ab24896 inhibits both PHA- and Con A-induced proliferative responses of splenocytes, and PWM-induced IL-2 production.
<b>克隆</b>	单克隆
<b>克隆编号</b>	CT-4
<b>同种型</b>	IgG1
<b>轻链类型</b>	kappa

#### 应用

Our [Abpromise guarantee](#) covers the use of **ab24896** in the following tested applications.

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

应用	Ab评论	说明
Functional Studies		Use at an assay dependent concentration. Inhibition of mitogen-induced proliferation.
Flow Cyt		Use 1µg for 10 <sup>6</sup> cells. <a href="#">ab106163</a> - Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.
IP		Use at an assay dependent concentration.
IHC-Fr		Use at an assay dependent concentration.

## 靶标

功能	Accessory protein for MHC class-II antigen/T-cell receptor interaction. May regulate T-cell activation. Induces the aggregation of lipid rafts.
序列相似性	Contains 3 Ig-like C2-type (immunoglobulin-like) domains. Contains 1 Ig-like V-type (immunoglobulin-like) domain.
翻译后修饰	Palmitoylation and association with LCK contribute to the enrichment of CD4 in lipid rafts.
细胞定位	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 polyprotein gp160 that interacts with, and sequesters CD4 in the endoplasmic reticulum.

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