

## Product datasheet

# Anti-CD4 antibody [mAbcam67480] ab67480

★★★★☆ 2 Abreviews 2 图像

### 概述

产品名称	Anti-CD4抗体[mAbcam67480]
描述	小鼠单克隆抗体[mAbcam67480] to CD4
宿主	Mouse
经测试应用	适用于: IHC-P, WB
种属反应性	与反应: Human
免疫原	Synthetic peptide conjugated to KLH derived from within residues 50 - 150 of Human CD4. 参阅 Abcam的专有抗源政策(Peptide available as <a href="#">ab54699</a> .)
阳性对照	This antibody gave a positive signal in Human Thymus and Human Lymph Node Tissue Lysate

### 性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
存储溶液	pH: 7.40 Preservative: 0.02% Sodium azide
纯度	Some batches contain 0.4M arginine. Please contact Scientific Support for further information.
克隆	IgG fraction
克隆编号	单克隆
同种型	mAbcam67480
	IgG

### 应用

Our [Abpromise guarantee](#) covers the use of **ab67480** in the following tested applications.

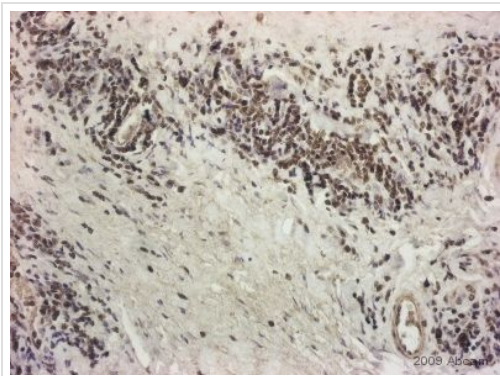
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

应用	Ab评论	说明
IHC-P	★★★★☆	1/250 - 1/1000. Perform heat mediated antigen retrieval before commencing with IHC staining protocol.
WB		Use a concentration of 8 µg/ml. Detects a band of approximately 55 kDa (predicted molecular weight: 51 kDa). Can be blocked with <a href="#">Human CD4 peptide (ab54699)</a> .

## 靶标

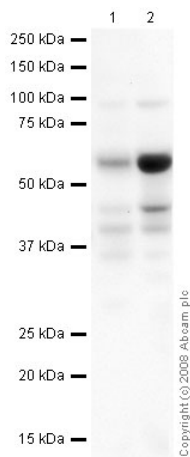
功能	Accessory protein for MHC class-II antigen/T-cell receptor interaction. May regulate T-cell activation. Induces the aggregation of lipid rafts.
序列相似性	Contains 3 Ig-like C2-type (immunoglobulin-like) domains. Contains 1 Ig-like V-type (immunoglobulin-like) domain.
翻译后修饰	Palmitoylation and association 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.

## 图片



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - CD4 antibody  
[mAbcam67480] (ab67480)

ab67480 staining CD4 in human tonsil tissue section by Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections). Tissue underwent fixation in formaldehyde, heat mediated antigen retrieval in target retrieval solution and blocking (5 minutes/peroxidase block then 10 minutes/protein block) for 15 minutes at 20°C. The primary antibody was diluted, 1/250 and incubated with sample for 45 minutes at 20°C. A HRP-conjugated goat polyclonal to mouse was used undiluted as the secondary.



Western blot - Anti-CD4 antibody [mAbcam67480]  
(ab67480)

**All lanes :** Anti-CD4 antibody  
[mAbcam67480] (ab67480) at 8 µg/ml

**Lane 1 :** Human thymus tissue lysate - total protein (ab30146)

**Lane 2 :** Human lymph node tissue lysate - total protein (ab29871)

Lysates/proteins at 20 µg per lane.

### Secondary

**All lanes :** Goat polyclonal to Mouse IgG - H&L - Pre-Adsorbed (HRP) at 1/3000 dilution

Performed under reducing conditions.

**Predicted band size:** 51 kDa

**Observed band size:** 55 kDa

**Additional bands at:** 40 kDa, 45 kDa. We are unsure as to the identity of these extra bands.

**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

### Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <http://www.abcam.cn/abpromise> or contact our technical team.

### Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors