

### Anti-CD4 antibody [W3/25] ab6413

[5 References](#) [1 图像](#)

#### 概述

产品名称	Anti-CD4抗体[W3/25]
描述	小鼠单克隆抗体[W3/25] to CD4
宿主	Mouse
经测试应用	<b>适用于:</b> Flow Cyt <b>不适用于:</b> IHC-P
种属反应性	<b>与反应:</b> Rat
免疫原	Tissue, cells or virus corresponding to Rat CD4. Rat thymocyte membrane.
阳性对照	Flow cyt: Lewis rat splenocytes.
常规说明	<p>This antibody clone is manufactured by Abcam. If you require a custom buffer formulation or conjugation for your experiments, please contact <a href="mailto:orders@abcam.com">orders@abcam.com</a>.</p> <p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&amp;As</p>

#### 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 long term. Avoid freeze / thaw cycle.
存储溶液	Preservative: 0.02% Sodium azide Constituent: PBS
纯度	Protein G purified
克隆	单克隆
克隆编号	W3/25
同种型	IgG1
轻链类型	kappa

## 应用

**The Abpromise guarantee**      **Abpromise™** 承诺保证使用 ab6413 于以下的经测试应用

“应用说明”部分下显示的仅为推荐的起始稀释度；实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
Flow Cyt		Use a concentration of 0.2 µg/ml.

应用说明      Is unsuitable for IHC-P.

## 靶标

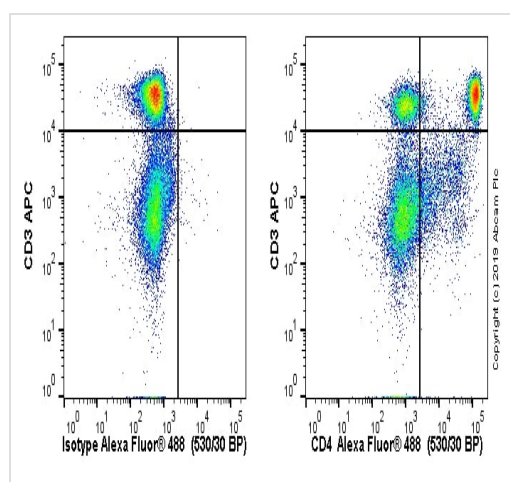
**功能**      Accessory protein for MHC class-II antigen/T-cell receptor interaction. May regulate T-cell activation. Induces the aggregation of lipid rafts.

**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



Flow Cytometry - Anti-CD4 antibody [W3/25]  
(ab6413)

Lewis rat splenocytes stained with ab6413 (right) or mouse IgG1κ ([ab170190](#)) isotype (left). Lewis rat splenocytes were incubated for 30 min on ice in 1x PBS / 10 % rat serum to block FC receptors and non-specific protein-protein interaction followed by the antibody (ab6413) or mouse IgG1κ ([ab170190](#)) ( $1 \times 10^6$  in 100 µl at 0.2 µg/ml) for 30 min on ice.

The secondary antibody Goat anti-mouse IgG H&L (Alexa Fluor® 488, pre-adsorbed) ([ab150117](#)) was used at 1/2000 dilution for 30 min on ice. The cells were simultaneously stained with CD3 antibody.

Acquisition of >30,000 events were collected using a 50 mW Blue laser (488nm) and 530/30 bandpass filter. Events were gated on viable lymphocytes.

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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