

### Anti-CD8 alpha antibody [YTS169.4] ab22378

★★★★★ [14 Abreviews](#) [83 References](#) [2 图像](#)

#### 概述

产品名称	Anti-CD8 alpha抗体[YTS169.4]
描述	大鼠单克隆抗体[YTS169.4] to CD8 alpha
宿主	Rat
经测试应用	适用于: Flow Cyt
种属反应性	与反应: Mouse
免疫原	Tissue, cells or virus. This information is proprietary to Abcam and/or its suppliers.
阳性对照	Flow Cyt: Mouse spleen cells.
常规说明	<p>ab22378 is not expected to work in standard western blots, under denaturing conditions, or in IHC on formalin-fixed tissue. To our knowledge, ab22378 will only stain frozen sections or fresh cells, and will only immunoprecipitate the antigen from cell lysates in mild detergents such as NP40 or Triton-X100.</p> <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 or -80°C. Avoid freeze / thaw cycle.
存储溶液	<p>pH: 7.40</p> <p>Preservative: 0.02% Sodium azide</p> <p>Constituents: PBS, 6.97% L-Arginine</p>
纯度	IgG fraction

克隆	单克隆
克隆编号	YTS169.4
同种型	IgG2b

应用

The Abpromise guarantee

Abpromise™承诺保证使用ab22378于以下的经测试应用

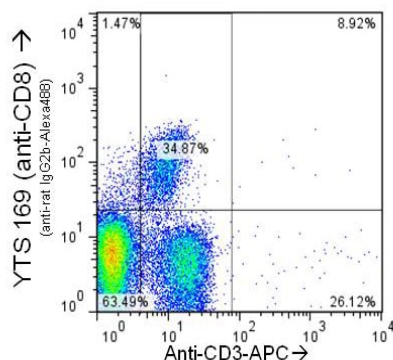
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
Flow Cyt		Use 0.1-1µg for 10 <sup>6</sup> cells. <b>ab18536</b> - Rat monoclonal IgG2b, is suitable for use as an isotype control with this antibody.

靶标

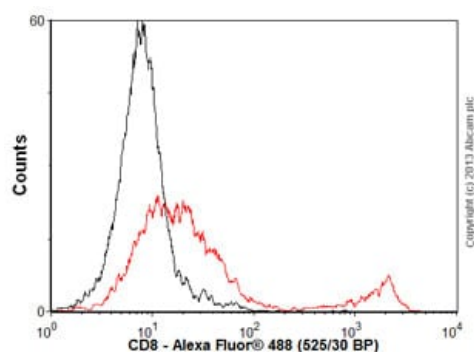
功能	Identifies cytotoxic/suppressor T-cells that interact with MHC class I bearing targets. CD8 is thought to play a role in the process of T-cell mediated killing. CD8 alpha chains binds to class I MHC molecules alpha-3 domains.
疾病相关	Defects in CD8A are a cause of familial CD8 deficiency (CD8 deficiency) [MIM:608957]. Familial CD8 deficiency is a novel autosomal recessive immunologic defect characterized by absence of CD8+ cells, leading to recurrent bacterial infections.
序列相似性	Contains 1 Ig-like V-type (immunoglobulin-like) domain.
翻译后修饰	All of the five most carboxyl-terminal cysteines form inter-chain disulfide bonds in dimers and higher multimers, while the four N-terminal cysteines do not.
细胞定位	Secreted and Cell membrane.

图片



Flow Cytometry - Anti-CD8 alpha antibody  
[YTS169.4] (ab22378)

Normal mouse (CBA) spleen cells (red cell lysed) double stained with ab22378 (0.3 µg/mL, detected with Alexa Fluor® 488-conjugated monoclonal mouse anti-rat antibody) and an APC conjugated hamster anti-mouse CD3 antibody. ab22378 stains an expected subpopulation of CD8 alpha positive T cells.



Flow Cytometry - Anti-CD8 alpha antibody  
[YTS169.4] (ab22378)

Overlay histogram showing mouse spleen cells (C57BL/6) labeling CD8 alpha with ab22378 (red line). The cells were incubated in 1x PBS / 10% normal goat serum / 0.3M glycine to block non-specific protein-protein interactions. The cells were then incubated with the antibody (ab22378, 0.1 µg/1x10<sup>6</sup> cells) for 30 min at 4°C. The secondary antibody used was Alexa Fluor® 488 goat anti-rat IgG (H&L) (**ab150157**) at 1/2000 dilution for 30 min at 4°C. Isotype control antibody (black line) was rat IgG2b [RTK4530] (**ab18541**, 2 µg/1x10<sup>6</sup> cells) used under the same conditions.

Acquisition of >5,000 events were collected using a 20mW Argon ion laser (488nm) and 525/30 bandpass filter.

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

### 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 <https://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