

Anti-CD8 alpha antibody [YTS169.4] ab22378

★★★★★ [14 Abreviews](#) [83 References](#) [画像数 2](#)

製品の概要

製品名	Anti-CD8 alpha antibody [YTS169.4]
製品の詳細	Rat monoclonal [YTS169.4] to CD8 alpha
由来種	Rat
アプリケーション	適用あり: Flow Cyt
種交差性	交差種: Mouse
免疫原	Tissue, cells or virus. This information is proprietary to Abcam and/or its suppliers.
ポジティブ・コントロール	Flow Cyt: Mouse spleen cells.
特記事項	<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 orders@abcam.com.</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&As</p>

製品の特性

製品の状態	Liquid
保存方法	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.
バッファー	<p>pH: 7.40</p> <p>Preservative: 0.02% Sodium azide</p> <p>Constituents: PBS, 6.97% L-Arginine</p>
精製度	IgG fraction

ポリ/モノ	モノクローナル
クローン名	YTS169.4
アイソタイプ	IgG2b

アプリケーション

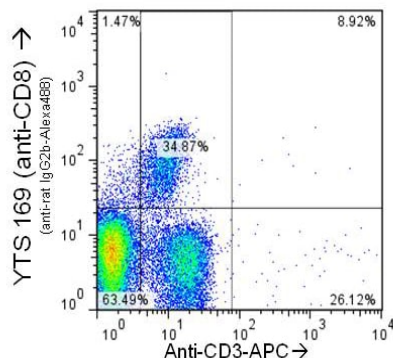
The Abpromise guarantee **Abpromise保証は、次のテスト済みアプリケーションにおけるab22378の使用に適用されます**
 アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
Flow Cyt		Use 0.1-1µg for 10 ⁶ cells. ab18536 - Rat monoclonal IgG2b, is suitable for use as an isotype control with this antibody.

ターゲット情報

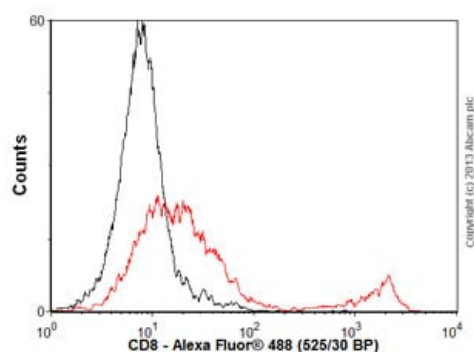
機能	Identifies cytotoxic/suppressor T-cells that interact with MHC class I bearing targets. CD8 is thought to play a role in the process of T-cell mediated killing. CD8 alpha chains binds to class I MHC molecules alpha-3 domains.
関連疾患	Defects in CD8A are a cause of familial CD8 deficiency (CD8 deficiency) [MIM:608957]. Familial CD8 deficiency is a novel autosomal recessive immunologic defect characterized by absence of CD8+ cells, leading to recurrent bacterial infections.
配列類似性	Contains 1 Ig-like V-type (immunoglobulin-like) domain.
翻訳後修飾	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.
細胞内局在	Secreted and Cell membrane.

画像



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
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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/1x10⁶ 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/1x10⁶ 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.

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