

Anti-CD8 alpha antibody [C8/144B] ab17147

★★★★★ [9 Abreviews](#) [87 References](#) [4 图像](#)

概述

产品名称	Anti-CD8 alpha抗体[C8/144B]
描述	小鼠单克隆抗体[C8/144B] to CD8 alpha
宿主	Mouse
经测试应用	适用于: Flow Cyt, IHC-P
种属反应性	与反应: Human
免疫原	Synthetic peptide corresponding to Human CD8 alpha (C terminal). Database link: P01732
阳性对照	IHC-P: Human tonsil tissue. Flow Cyt: Human peripheral blood lymphocytes.
常规说明	<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>

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Store at -20°C or -80°C. Avoid freeze / thaw cycle.
存储溶液	pH: 7.3 Preservative: 0.05% Sodium azide Constituents: Tissue culture supernatant, 1% BSA
纯度	Tissue culture supernatant
克隆	单克隆
克隆编号	C8/144B
同种型	IgG1
轻链类型	kappa

应用

The Abpromise guarantee **Abpromise™**承诺保证使用ab17147于以下的经测试应用

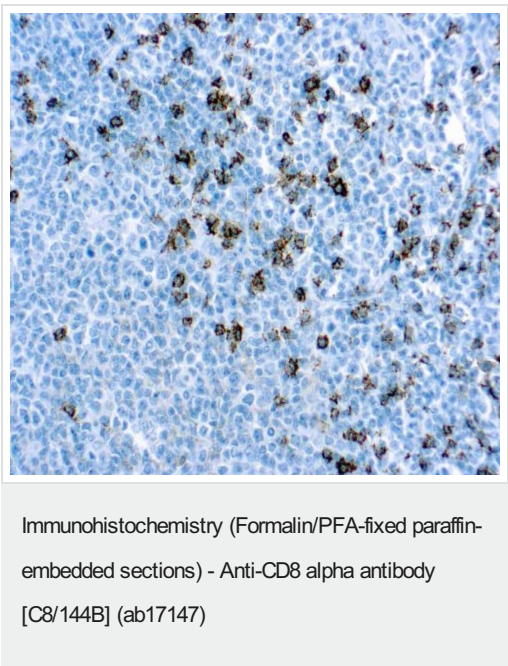
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
Flow Cyt		1/100. ab170190 - Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.
IHC-P	★★★★★ (6)	1/50 - 1/100. Perform heat mediated antigen retrieval before commencing with IHC staining protocol.

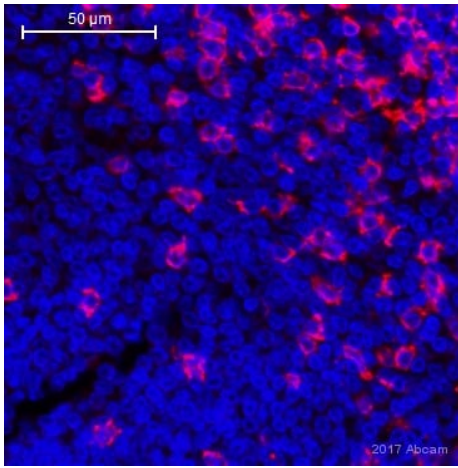
靶标

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



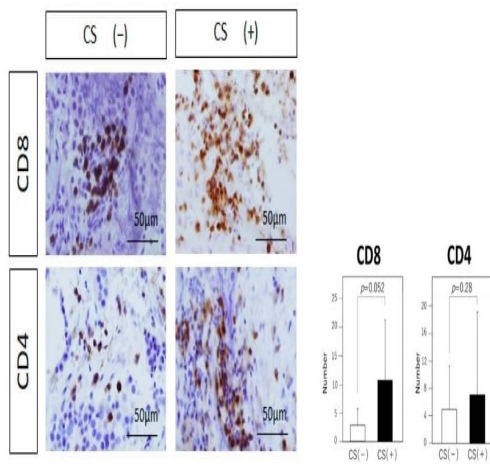
Paraffin embedded human tonsil tissue stained for CD8 T-Cell using ab17147 at 1/100 dilution in immunohistochemical analysis.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD8 alpha antibody [C8/144B] (ab17147)

This image is courtesy of an anonymous Abreview

Paraffin embedded human spleen tissue stained for CD8 alpha using ab17147 at 1/50 dilution in immunohistochemical analysis. Antigen retrieval step with Tris/EDTA pH 9.0.



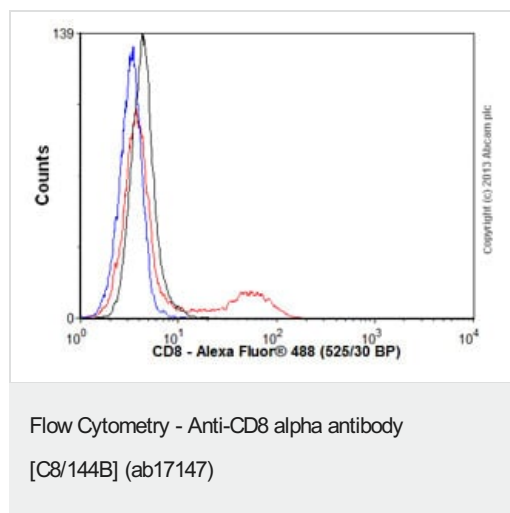
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD8 alpha antibody [C8/144B] (ab17147)

Image from Sato Met al., J Clin Med., 8, 695. Fig 3.; doi: 10.3390/jcm8050695. Reproduced under the Creative Commons license <http://creativecommons.org/licenses/by/4.0/>.

Analysis of tumor-infiltrating lymphocytes. Immunohistochemical analysis of CD8 and CD4 (Original magnification, $\times 20$). Typical examples of each staining are shown in both groups. Statistical analysis of each staining is shown. The number of CD8 (+) lymphocytes tends to be higher in the CS (+) group than in the CS (-) group, but the difference is not statistically significant ($p = 0.052$). The number of CD4 (+) lymphocytes shows no significant difference between the two groups ($p = 0.28$). Data represent the mean \pm standard error of mean (CD4 and CD8, student's t -test).

Image from **Sato M et al., J Clin Med., 8, 695. Fig 3.;** doi: **10.3390/jcm8050695.**

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Human peripheral blood lymphocytes stained with ab17147 (red line). Human whole blood was processed using a modified protocol based on Chow *et al*, 2005 (PMID: 16080188). In brief, human whole blood was fixed in 4% formaldehyde (methanol-free) for 10 min at 22°C. Red blood cells were then lysed by the addition of Triton X-100 (final concentration - 0.1%) for 15 min at 37°C. For experimentation, cells were treated with 50% methanol (-20°C) for 15 min at 4°C. Cells were then incubated with the antibody (ab17147, 1/100 dilution) for 30 min at 4°C. The secondary antibody used was Alexa Fluor® 488 goat anti-mouse IgG (H&L) (**ab150113**) at 1/2000 dilution for 30 min at 4°C. Isotype control antibody (black line) was mouse IgG1 [ICIGG1] (**ab91353**, 1µg/1x10⁶ cells) used under the same conditions. Unlabelled sample (blue line) was also used as a control. Acquisition of >30,000 total events were collected using a 20mW Argon ion laser (488nm) and 525/30 bandpass filter. Gating strategy - peripheral blood lymphocytes.

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