

### Anti-CD8 alpha antibody [SP239] ab178089

リコンビナント **RabMAb**

★★★★☆ **1 Abreviews** **16 References** 画像数 4

#### 製品の概要

製品名	Anti-CD8 alpha antibody [SP239]
製品の詳細	Rabbit monoclonal [SP239] to CD8 alpha
由来種	Rabbit
アプリケーション	<b>適用あり:</b> mlIHC, IHC-P
種交差性	<b>交差種:</b> Human
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
ポジティブ・コントロール	IHC-P and mlIHC: Human tonsil tissue.
特記事項	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> <li>- High batch-to-batch consistency and reproducibility</li> <li>- Improved sensitivity and specificity</li> <li>- Long-term security of supply</li> <li>- Animal-free production</li> </ul> <p>For more information <a href="#">see here</a>.</p> <p>Our RabMAb<sup>®</sup> technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to <a href="#">RabMAb<sup>®</sup> patents</a>.</p> <p><b>This product is FOR RESEARCH USE ONLY. For commercial use, please contact <a href="mailto:partnerships@abcam.com">partnerships@abcam.com</a>.</b></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 long term. Avoid freeze / thaw cycle.
バッファー	<p>pH: 7.2</p> <p>Preservative: 0.1% Sodium azide</p> <p>Constituents: 1% BSA, PBS</p>
精製度	Protein A purified
ポリ/モノ	モノクローナル
クローン名	SP239

アプリケーション

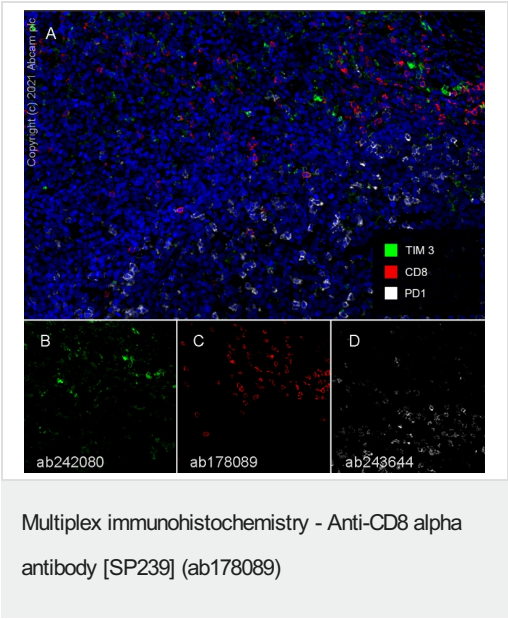
The Abpromise guarantee      Abpromise保証は、次のテスト済みアプリケーションにおけるab178089の使用に適用されます  
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご確認ください。

アプリケーション	Abreviews	特記事項
mlHC		1/100.
IHC-P	★★★★★ (1)	1/100. Antigen Retrieval: Boil tissue section in EDTA buffer, pH 8.0 for 10 min followed by cooling at room temperature for 20 min.

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



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of Human tonsil labelling PD1 with [ab243644](#) at 1/500 dilution (1.02 µg/mL) (D), CD8 with [ab178089](#) at 1/100 dilution (0.83 µg/ml) (C) and TIM 3 with [ab242080](#) at 1/500 dilution (2.09 µg/ml) (B). Opal Polymer HRP Ms + Rb was used as a secondary antibody, and DAPI was used for a nuclear counter stain. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0, epitope retrieval solution 2) for 20 mins.

Panel A: merged staining of anti-TIM 3 (green; Opal™690), anti-CD8 (red; Opal™520) and anti-PD1 (gray; Opal™570) on human tonsil.

Panel B: anti-TIM 3 stained on membrane of a subset of immune cells.

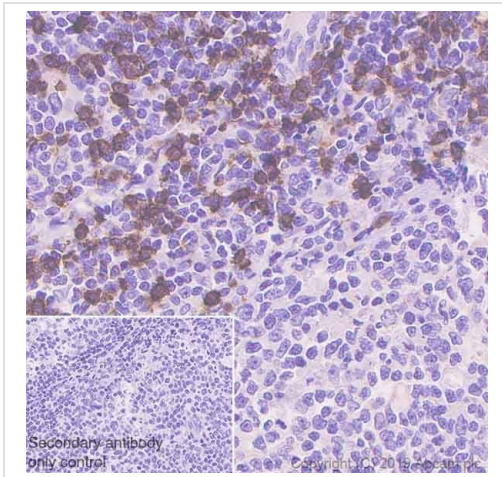
Panel C: anti-CD8 stained on membrane of a subset of T cells.

Panel D: anti-PD1 stained on membrane of a subset of lymphocytes.

Multiplex immunohistochemistry - Anti-CD8 alpha antibody [SP239] ([ab178089](#))

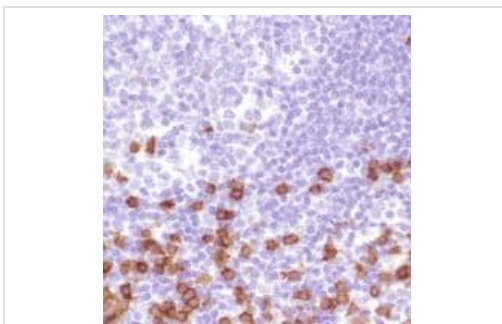
The section was incubated in three rounds of staining: in the order of **ab242080**, **ab243644** and ab178089 for 30 mins at room temperature. Each round was followed by a separate fluorescent tyramide signal amplification system.

The immunostaining was performed on a Leica Biosystems BOND® RX instrument with an Opal™ 4-color kit. Image acquisition was performed with Leica SP8 confocal microscope.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD8 alpha antibody [SP239] (ab178089)

Immunohistochemical analysis of paraffin-embedded human tonsil tissue labeling CD8 alpha with ab178089 at followed by a ready to use Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**). Positive staining on human tonsil, performed on a Leica Biosystems BOND® RX instrument. Counterstained with Hematoxylin Secondary antibody only control: Used PBS instead of primary antibody.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD8 alpha antibody [SP239] (ab178089)

Immunohistochemical analysis of formalin-fixed, paraffin-embedded human tonsil tissue labeling CD8 alpha with ab178089 at 1/100 dilution.

### Why choose a recombinant antibody?



**Research with confidence**  
Consistent and reproducible results



**Long-term and scalable supply**  
Recombinant technology



**Success from the first experiment**  
Confirmed specificity



**Ethical standards compliant**  
Animal-free production

Anti-CD8 alpha antibody [SP239] (ab178089)

**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.co.jp/abpromise> or contact our technical team.

### Terms and conditions

---

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