

Alexa Fluor® 647 Anti-CD4 antibody [EPR19514] ab225310

リコンビナント **RabMAb**

★★★★★ **1 Abreviews** **画像数 2**

製品の概要

製品名	Alexa Fluor® 647 Anti-CD4 antibody [EPR19514]
製品の詳細	Alexa Fluor® 647 Rabbit monoclonal [EPR19514] to CD4
由来種	Rabbit
標識	Alexa Fluor® 647. Ex: 652nm, Em: 668nm
アプリケーション	適用あり: IHC-Fr
種交差性	交差種: Mouse
免疫原	Recombinant fragment within Mouse CD4 aa 1-400. The exact immunogen sequence used to generate this antibody is proprietary information. If additional detail on the immunogen is needed to determine the suitability of the antibody for your needs, please contact our Scientific Support team to discuss your requirements. Database link: P06332

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ポジティブ・コントロール

IHC-Fr: normal mouse spleen tissue sections

特記事項

This product is a recombinant monoclonal antibody, which offers several advantages including:

- High batch-to-batch consistency and reproducibility
- Improved sensitivity and specificity
- Long-term security of supply
- Animal-free production

For more information **see here**.

Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to **RabMAb® patents**.

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For information on purchasing a license to this product for purposes other than research, contact Life Technologies Corporation, 5781 Van Allen Way, Carlsbad, CA 92008 USA or outlicensing@thermofisher.com.

製品の特長

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. Avoid freeze / thaw cycle. Store in the Dark.
バッファー	pH: 7.40 Preservative: 0.02% Sodium azide Constituents: 30% Glycerol (glycerin, glycerine), 1% BSA, PBS
精製度	Protein A purified
ポリモノ	モノクローナル
クローン名	EPR19514
アイソタイプ	IgG

アプリケーション

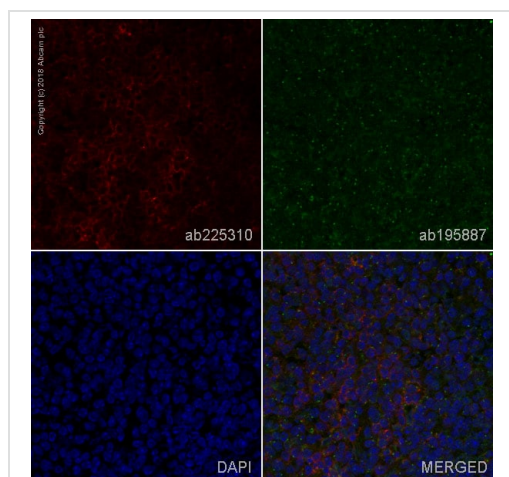
The Abpromise guarantee Abpromise保証は、次のテスト済みアプリケーションにおけるab225310の使用に適用されます
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アプリケーション	Abreviews	特記事項
IHC-Fr		1/250.

ターゲット情報

機能	Accessory protein for MHC class-II antigen/T-cell receptor interaction. May regulate T-cell activation. Induces the aggregation of lipid rafts.
配列類似性	Contains 3 Ig-like C2-type (immunoglobulin-like) domains. Contains 1 Ig-like V-type (immunoglobulin-like) domain.
翻訳後修飾	Palmitoylation and association with LCK contribute to the enrichment of CD4 in lipid rafts.
細胞内局在	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 polypeptide gp160 that interacts with, and sequesters CD4 in the endoplasmic reticulum.

画像



Immunohistochemistry (Frozen sections) - Alexa Fluor® 647 Anti-CD4 antibody [EPR19514] (ab225310)

IHC image of CD4 staining in a section of frozen normal mouse spleen.

The section was fixed using 10% formaldehyde in 1XPBS for 10 minutes. No antigen retrieval step was performed prior to staining. Non-specific protein-protein interactions were then blocked in TBS containing 0.025% (v/v) Triton X-100, 0.3M (w/v) glycine and 1% (w/v) BSA for 1h at room temperature. The section was then incubated overnight at +4°C in TBS containing 0.025% (v/v) Triton X-100 and 1% (w/v) BSA with ab225310 at 1/250 dilution (shown in red) and counterstained using **ab195887**, Mouse monoclonal to alpha Tubulin (Alexa Fluor® 488), at 1/250 dilution (shown in green). Nuclear DNA was labelled with DAPI (shown in blue). The section was then mounted using Fluoromount®.

Image was taken with a confocal microscope (Leica-Microsystems, TCS SP8).

For other IHC staining systems (automated and non-automated), customers should optimize variable parameters such as antigen retrieval conditions, antibody concentrations and incubation times.

Why choose a recombinant antibody?

 <p>Research with confidence Consistent and reproducible results</p>	 <p>Long-term and scalable supply Recombinant technology</p>
 <p>Success from the first experiment Confirmed specificity</p>	 <p>Ethical standards compliant Animal-free production</p>

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