

Anti-CD4 antibody [EPR20122] ab207755

リコンビナント RabMAb

1 References [画像数 5](#)

製品の概要

製品名	Anti-CD4 antibody [EPR20122]
製品の詳細	Rabbit monoclonal [EPR20122] to CD4
由来種	Rabbit
アプリケーション	適用あり: WB, Flow Cyt, IP
種交差性	交差種: Mouse
免疫原	Recombinant fragment. This information is proprietary to Abcam and/or its suppliers.
ポジティブ・コントロール	WB: Mouse thymus lysate. Flow Cyt: Mouse thymocytes, C57 BL/6 mouse thymocytes. IP: Mouse thymus lysate.
特記事項	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none">- High batch-to-batch consistency and reproducibility- Improved sensitivity and specificity- Long-term security of supply- Animal-free production <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</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	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
精製度	Protein A purified
ポリ/モノ	モノクローナル
クローン名	EPR20122
アイソタイプ	IgG

アプリケーション

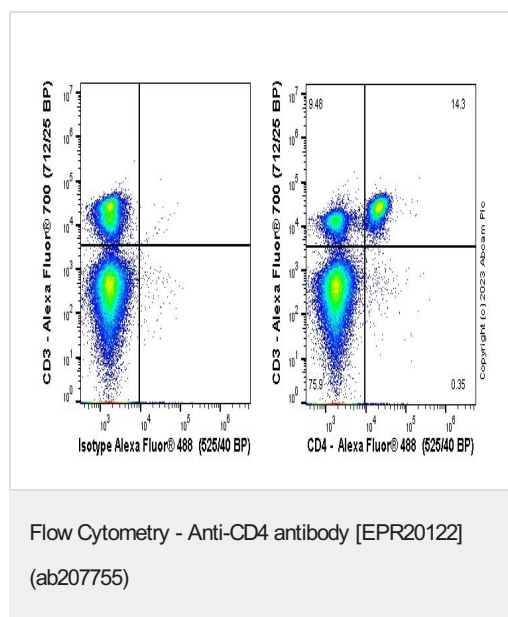
The Abpromise guarantee **Abpromise保証は、次のテスト済みアプリケーションにおけるab207755の使用に適用されます**
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
WB		1/5000. Detects a band of approximately 51 kDa (predicted molecular weight: 51 kDa).
Flow Cyt		1/60.
IP		1/30.

ターゲット情報

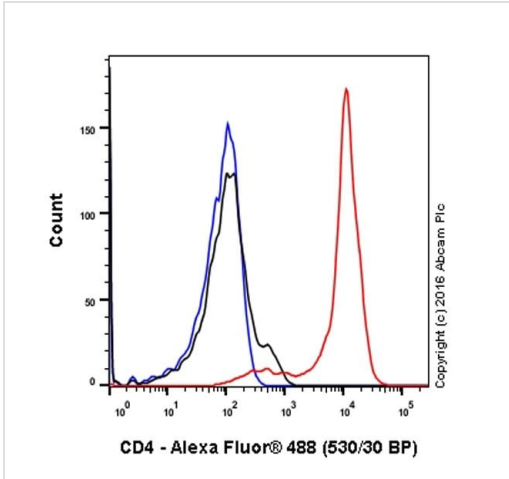
機能	Accessory protein for MHC class-II antigen/T-cell receptor interaction. May regulate T-cell activation. Induces the aggregation of lipid rafts.
配列類似性	Contains 3 Ig-like C2-type (immunoglobulin-like) domains. Contains 1 Ig-like V-type (immunoglobulin-like) domain.
翻訳後修飾	Palmitoylation and association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

画像



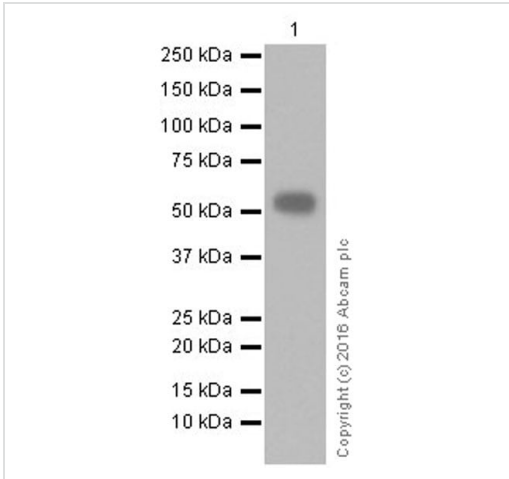
Flow cytometry staining of C57 BL/6 mouse splenocytes with ab207755 (right) or Recombinant Rabbit IgG, monoclonal [EPR25A] - Isotype Control (left). Cells were incubated for 30 min on ice in 1x PBS containing 10µg/ml anti CD16/CD32 and 10% normal goat serum to block FC receptors and non-specific protein-protein interaction followed by the antibody ab207755 or Recombinant Rabbit IgG, monoclonal [EPR25A] - Isotype Control (1x 10⁶ in 100 µl at 0.2 µg/ml (1/10200)) for 30min on ice. The cells were simultaneously stained with CD3.

The secondary antibody Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) preadsorbed was incubated at 1/4000 for 30min on ice
Acquisition of >30000 events were collected using a 50 mW Blue laser (488nm) and 525/40 bandpass filter. Events were gated on viable cells.



Flow Cytometry - Anti-CD4 antibody [EPR20122]
(ab207755)

Flow cytometric analysis of Mouse thymocytes labeling CD4 with ab207755 at 1/60 dilution (red), compared with **ab172730** (Rabbit IgG, monoclonal [EPR25A] - Isotype Control) (black) and an unlabelled control (cells without incubation with primary antibody and secondary antibody) (blue). Goat anti rabbit IgG (Alexa Fluor® 488) at 1/2000 dilution was used as the secondary antibody.



Western blot - Anti-CD4 antibody [EPR20122]
(ab207755)

Anti-CD4 antibody [EPR20122] (ab207755) at 1/5000 dilution + Mouse thymus tissue lysate at 10 µg

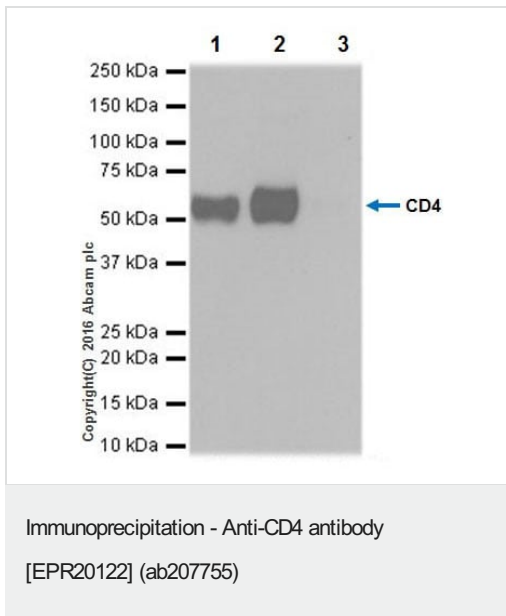
Secondary

Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/100000 dilution

Predicted band size: 51 kDa

Exposure time: 5 seconds

Blocking and Diluting buffer and concentration: 5% NFDM/TBST.



CD4 was immunoprecipitated from 0.35 mg of Mouse thymus lysate with ab207755 at 1/30 dilution. Western blot was performed from the immunoprecipitate using ab207755 at 1/1000 dilution. VeriBlot for IP Detection Reagent (HRP) ([ab131366](#)), was used for detection at 1/1000 dilution.

Lane 1: Mouse thymus lysate, 10 µg (Input).





Lane 2: ab207755 IP in Mouse thymus lysate.

Lane 3: Rabbit monoclonal IgG ([ab172730](#)) instead of ab207755 in Mouse thymus lysate.

Blocking and dilution buffer and concentration: 5% NFD/MTBST.

Exposure time: 3 seconds.

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>

Anti-CD4 antibody [EPR20122] (ab207755)

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