abcam

Product datasheet

Anti-CD11b antibody [EPR1344] - BSA and Azide free ab209970

リコンビナント RabMAb

3 Abreviews 1 References 画像数 11

製品の概要

製品名	Anti-CD11b antibody [EPR1344] - BSA and Azide free
製品の詳細	Rabbit monoclonal [EPR1344] to CD11b - BSA and Azide free
由来種	Rabbit
アプリケーション	**適用あり:** mIHC, WB, IHC-P
種交差性	**交差種:** Mouse, Rat, Human **交差が予測される動物種:** Pig, Rhesus monkey
免疫原	Synthetic peptide within Human CD11b aa 1-100. 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. Run BLAST with Run BLAST with
ポジティブ・コントロール	WB: THP1 cell lysate treated with TPA, and TF1 cell lysate; Rat spleen lysate IHC-P: Human tonsil and spleen tissues; Rat cerebrum and bone marrow tissue; Mouse lung and colon tissue. mIHC: Mouse spleen tissue.
特記事項	ab209970 is the carrier-free version of **ab133357**. Our **carrier-free** antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. The carrier-free buffer and high concentration allow for increased conjugation efficiency. This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications. Use our **conjugation kits** for antibody conjugates that are ready-to-use in as little as 20 minutes with <1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold. This product is compatible with the Maxpar® Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar® is a trademark of Fluidigm Canada Inc. 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**.

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at +4°C. Do Not Freeze.
バッファー	pH: 7.2 Constituent: PBS
キャリア・フリー	はい
精製度	Protein A purified
ポリ/モノ	モノクローナル
クローン名	EPR1344
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ab209970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。

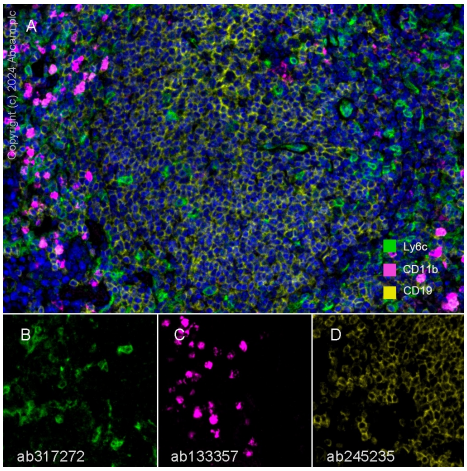
アプリケーション	Abreviews	特記事項
mIHC		Use at an assay dependent concentration.
WB		Use at an assay dependent concentration. Predicted molecular weight: 127 kDa.
IHC-P	★★★★★ (2)	Use at an assay dependent concentration.

ターゲット情報

機能	Integrin alpha-M/beta-2 is implicated in various adhesive interactions of monocytes, macrophages and granulocytes as well as in mediating the uptake of complement-coated particles. It is identical with CR-3, the receptor for the iC3b fragment of the third complement component. It probably recognizes the R-G-D peptide in C3b. Integrin alpha-M/beta-2 is also a receptor for fibrinogen, factor X and ICAM1. It recognizes P1 and P2 peptides of fibrinogen gamma chain.
組織特異性	Predominantly expressed in monocytes and granulocytes.
関連疾患	Genetic variations in ITGAM has been associated with susceptibility to systemic lupus erythematosus type 6 (SLEB6) [MIM:609939]. Systemic lupus erythematosus (SLE) is a chronic, inflammatory and often febrile multisystemic disorder of connective tissue. It affects principally the skin, joints, kidneys and serosal membranes. It is thought to represent a failure of the regulatory mechanisms of the autoimmune system.

配列類似性	Belongs to the integrin alpha chain family. Contains 7 FG-GAP repeats. Contains 1 VWFA domain.
ドメイン	The integrin I-domain (insert) is a VWFA domain. Integrins with I-domains do not undergo protease cleavage.
細胞内局在	Membrane.

画像



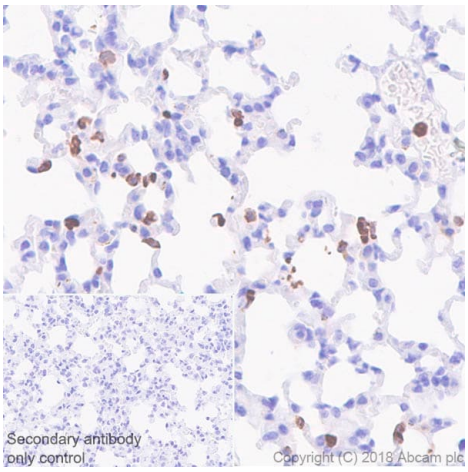
Multiplex immunohistochemistry - Anti-CD11b antibody [EPR1344] - BSA and Azide free (ab209970)

This data was developed using **ab133357** the same antibody clone in a different buffer formulation.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of mouse spleen labelling LY6C with **ab317272** at 1/100 (B), CD11b with **ab133357** at 1/20000 dilution (C) and CD19 with **ab245235** at 1/1000 dilution (D). 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 solution2) for 20 mins.

Panel A: merged staining of anti-LY6C (green; Opal™690), anti-CD11b (magenta; Opal™570) and anti-CD19 (yellow; Opal™520) on mouse spleen.
Panel B: anti-LY6C stained on monocytes/macrophages.
Panel C: anti-CD11b stained on monocytes/macrophages.
Panel D: anti-CD19 stained on B cells.
Co-staining of LY6C and CD11b can be observed.

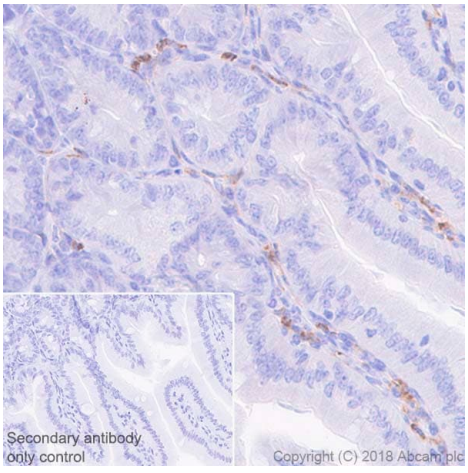
The section was incubated in three rounds of staining: in the order of **ab317272**, **ab133357**, and **ab245235** for 30 mins at room temperature. Each round was followed by a separate fluorescent tyramide signal amplification system.
The immunostaining was performed on a Leica Biosystems BOND® RX instrument with an Opal™ 4-color kit. Image acquisition was performed with Leica SP8 confocal microscope.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD11b antibody [EPR1344] - BSA and Azide free (ab209970)

Ab133357 staining CD11b in paraffin embedded Mouse lung tissue sections by Immunohistochemistry. Heat mediated antigen retrieval was performed using **ab93684** (Tris/EDTA buffer, pH 9.0). Samples were incubated with primary antibody at 1/4000 dilution (0.031 µg/ml). A ready to use Goat Anti-rabbit IgG H&L (HRP) was used as the secondary antibody. Hematoxylin was used as a counterstain. Positive staining on stromal cells of mouse lung.

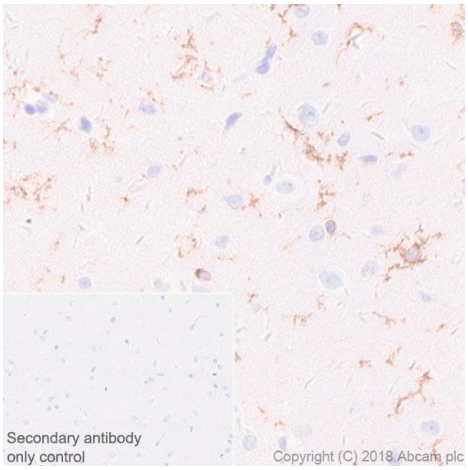
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab133357**).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD11b antibody [EPR1344] - BSA and Azide free (ab209970)

Ab133357 staining CD11b in paraffin embedded Mouse colon tissue sections by Immunohistochemistry. Heat mediated antigen retrieval was performed using **ab93684** (Tris/EDTA buffer, pH 9.0). Samples were incubated with primary antibody at 1/4000 dilution (0.031 µg/ml). A ready to use Goat Anti-rabbit IgG H&L (HRP) was used as the secondary antibody. Hematoxylin was used as a counterstain. Positive staining on stromal cells of mouse colon.

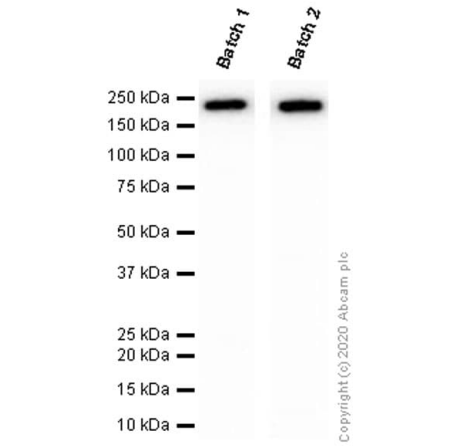
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab133357**).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD11b antibody [EPR1344] - BSA and Azide free (ab209970)

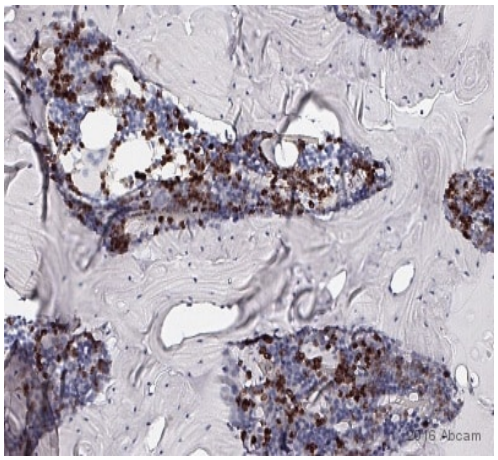
Ab133357 staining CD11b in paraffin embedded Rat cerebrum tissue sections by Immunohistochemistry. Heat mediated antigen retrieval was performed using **ab93684** (Tris/EDTA buffer, pH 9.0). Samples were incubated with primary antibody at 1/4000 dilution (0.29 µg/ml). A ready to use Goat Anti-rabbit IgG H&L (HRP) was used as the secondary antibody. Hematoxylin was used as a counterstain. Positive staining on gliocytes of rat cerebrum [PMID: 20483006].

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab133357**).



Western blot - Anti-CD11b antibody [EPR1344] - BSA and Azide free (ab209970)

This data was developed using **ab133357**, the same antibody clone in a different buffer formulation. Different batches of **ab133357** were tested on Rat spleen lysate at 0.1 µg/ml. 15 µg of lysate was loaded in each lane. Bands observed at 170 kDa.

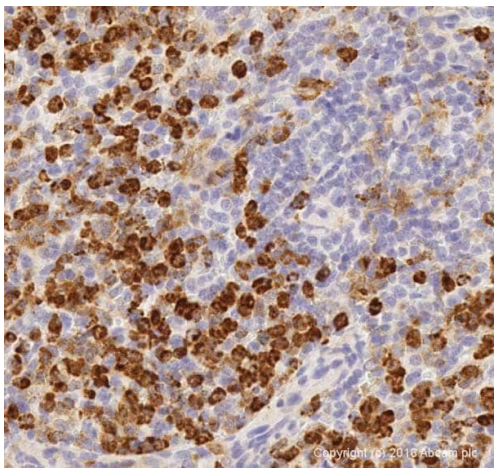


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD11b antibody [EPR1344] - BSA and Azide free (ab209970)

Formaldehyde-fixed, paraffin-embedded rat bone marrow tissue stained for CD11b using **ab133357** at 1/5000 in immunohistochemical analysis.

Heat mediated antigen retrieval with EDTA buffer pH 9 was performed before commencing with staining protocol. 1% casein was used as blocking agent.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab133357**).



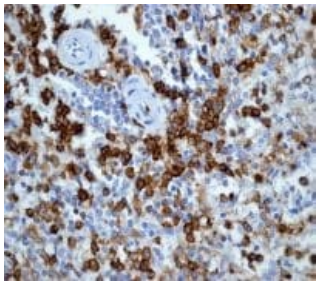
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD11b antibody [EPR1344] - BSA and Azide free (ab209970)

IHC image of CD11b staining in a formalin fixed, paraffin embedded human normal spleen tissue section*, performed on a Leica Bond™ system using the standard protocol F. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH6, epitope retrieval solution 1) for 20 mins. The section was then incubated with **ab133357** at 1/4000 dilution, for 15 mins at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

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

*Tissue obtained from the Human Research Tissue Bank, supported by the NIHR Cambridge Biomedical Research Centre

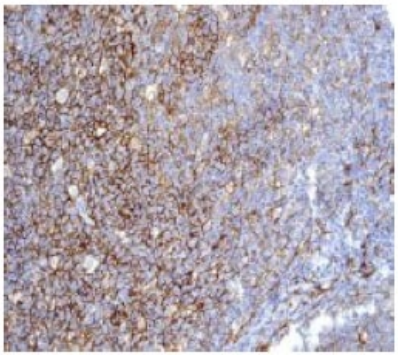
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab133357**).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD11b antibody [EPR1344] - BSA and Azide free (ab209970)

Immunohistochemical analysis of paraffin embedded human spleen tissue staining CD11b with unpurified **ab133357** at a dilution of 1/100. Heat mediated antigen retrieval was perfomed with citrate buffer (pH 6).

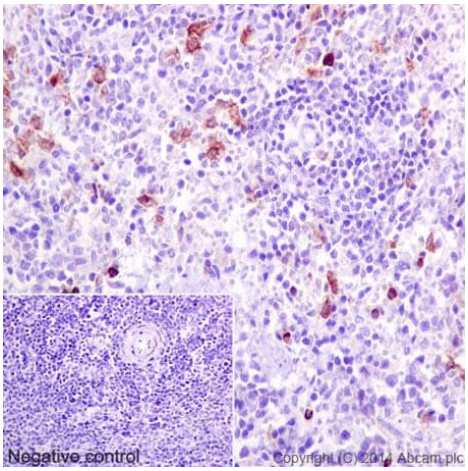
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab133357**).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD11b antibody [EPR1344] - BSA and Azide free (ab209970)

Immunohistochemical analysis of paraffin embedded human tonsil tissue staining CD11b with unpurified **ab133357** at a dilution of 1/100. Heat mediated antigen retrieval was perfomed with citrate buffer (pH 6).

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab133357**).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD11b antibody [EPR1344] - BSA and Azide free (ab209970)

Immunohistochemical staining of paraffin embedded human spleen with purified **ab133357** at a working dilution of 1 in 4000. The secondary antibody used is a HRP goat anti-rabbit (**ab97051**). The sample is counter-stained with hematoxylin. Antigen retrieval was perfomed using Tris-EDTA buffer, pH 9.0. PBS was used instead of the primary antibody as the negative control, and is shown in the inset.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab133357**).

Anti-CD11b antibody [EPR1344] - BSA and Azide free (ab209970)

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