abcam

Product datasheet

Anti-CD11b + CD11c antibody [OX42] - BSA and Azide free ab238658

画像数 2

製品の概要

製品名	Anti-CD11b + CD11c antibody [OX42] - BSA and Azide free
製品の詳細	Mouse monoclonal [OX42] to CD11b + CD11c - BSA and Azide free
由来種	Mouse
アプリケーション	**適用あり:** ICC/IF, IHC-Fr **適用なし:** IHC-P
種交差性	**交差種:** Rat **非交差種:** Mouse
免疫原	Tissue, cells or virus. This information is proprietary to Abcam and/or its suppliers.
ポジティブ・コントロール	ICC/IF: NR8383 cells, rat macrophages, IHC-Fr: frozen Rat lung tissue sections (10µm)
特記事項	ab238658 is the carrier-free version of **ab1211**. **IHC protocol advice:** This antibody is not suitable for IHC on paraffin-embedded samples. For best results in IHC on frozen tissue, the following may help detection: **1) Paraformaldehyde perfusion fixed samples have worked well for many customers.** **2) For non-perfused tissue, either snap freeze or emerse in periodate-lysine-paraformaldehyde (PLP) fixative for 24 hours at 4°C. Reduce the concentration of paraformaldehyde to 0.25-0.5% since this increases the staining intensity for immune cell surface markers (PMID: 7868861).** **3) PFA-fixed samples will require cryoprotection by sucrose infiltration.** **4) Use OCT (TissueTek) compound for embedding.** **5) For snap frozen tissue, fix sections in cold acetone for 10 min. Allow to dry for 10 min at room temperature. Wash with water for 10 min.** **6) Do not heat the samples or sections.** **7) During the staining procedure, do not allow the sections to dry out.** Our Technical team (**technical@abcam.com**) will be happy to provide further information and advice. This antibody clone is manufactured by Abcam. If you require a custom buffer formulation or conjugation for your experiments, please contact **orders@abcam.com**. 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.

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.

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

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	Constituent: 100% PBS
キャリア・フリー	はい
精製度	Protein G purified
ポリ/モノ	モノクローナル
クローン名	OX42
アイソタイプ	IgG2a
軽鎖の種類	kappa

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ab238658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。

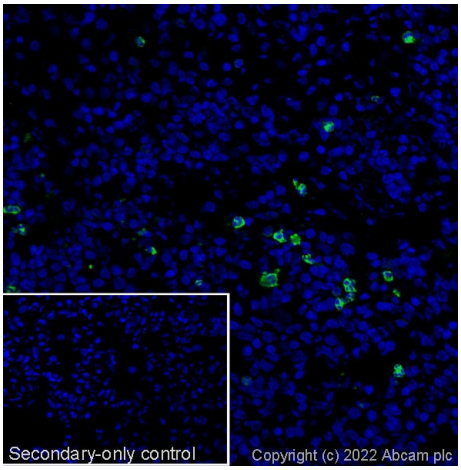
アプリケーション	Abreviews	特記事項
ICC/IF		Use a concentration of 5 - 10 µg/ml.
IHC-Fr		Use at an assay dependent concentration.

追加情報 Is unsuitable for IHC-P.

ターゲット情報

細胞内局在 CD11b: Membrane. CD11c: Membrane.

画像



Immunohistochemistry (Frozen sections) - Anti-CD11b + CD11c antibody [OX42] - BSA and Azide free (ab238658)

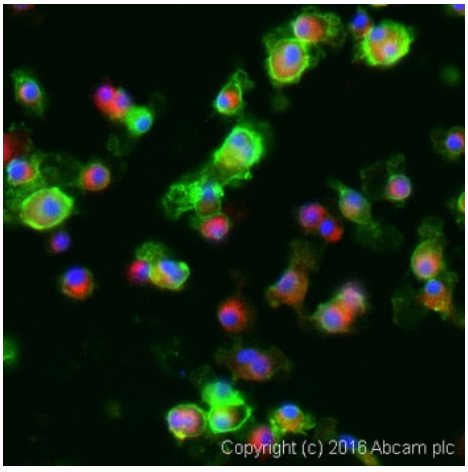
This data was developed using **ab1211**, the same antibody clone in a different buffer formulation.

Immunofluorescence staining of CD11b + CD11c staining in a section of 10% formalin fixed (10 mins, RT) frozen rat spleen.

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 **ab1211** at 1µg/ml. The section was then incubated with **ab150117** (Goat Anti-Mouse IgG H&L (Alexa Fluor® 488) preabsorbed, (Shown in green) 1.5µg/ml) for 1 hour at room temperature. 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.



Immunocytochemistry/ Immunofluorescence - Anti-CD11b + CD11c antibody [OX42] - BSA and Azide free (ab238658)

NR8383 cells (rat macrophage cell line) stained for CD11b + CD11c (shown in green) using **ab1211** in ICC/IF. The cells were fixed with 100% methanol for 10 minutes and then incubated in 1% BSA / 10% normal goat serum / 0.3 M glycine in 0.1% Tween-PBS for 1 hour at room temperature to permeabilize the cells and block non-specific protein-protein interactions. The cells were then incubated with the antibody (**ab1211** at 5µg/ml) overnight at +4°C. The secondary antibody was **ab150117** Goat Anti-Mouse IgG H&L (Alexa Fluor® 488) preadsorbed used at a 1/1000 dilution for 1 hour at room temperature. Alexa Fluor® 594 WGA was used to label plasma membranes (shown in red) at a 1/200 dilution for 1 hour at room temperature. DAPI was used to stain the cell nuclei (shown in blue) at a concentration of 1.43 µM for 1 hour at room temperature.

This image was produced using the same antibody clone but in a different formulation; PBS, arginine and sodium azide (**ab1211**).

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