abcam

Product datasheet

Anti-CD11a antibody [EP1285Y] - Low endotoxin, Azide free ab246701

リコンビナント RabMAb

画像数 6

製品の概要

製品名	Anti-CD11a antibody [EP1285Y] - Low endotoxin, Azide free
製品の詳細	Rabbit monoclonal [EP1285Y] to CD11a - Low endotoxin, Azide free
由来種	Rabbit
アプリケーション	**適用あり:** ICC/IF, IP, Flow Cyt, IHC-P, WB
種交差性	**交差種:** Human **交差が予測される動物種:** Cynomolgus monkey
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	WB: Jurkat and TPH-1 whole cell lyates. IHC-P: Human squamous cell cervical carcinoma and tonsil tissue. ICC/IF: Jurkat cell line Flow: Jurkat cell line IP: Jurkat whole cell extract
特記事項	ab246701 is the carrier-free version of **ab52895**. 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 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**. Our **Low endotoxin, azide-free formats** have low endotoxin level (≤ 1 EU/ml, determined by the

LAL assay) and are free from azide, to achieve consistent experimental results in functional assays.

Mouse, Rat: We have preliminary internal testing data to indicate this antibody may not react with these species. Please contact us for more information.

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
特記事項（精製）	Endotoxin level is less than 1 EU/ml as determined by the TAL test.
ポリ/モノ	モノクローナル
クローン名	EP1285Y
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ab246701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。

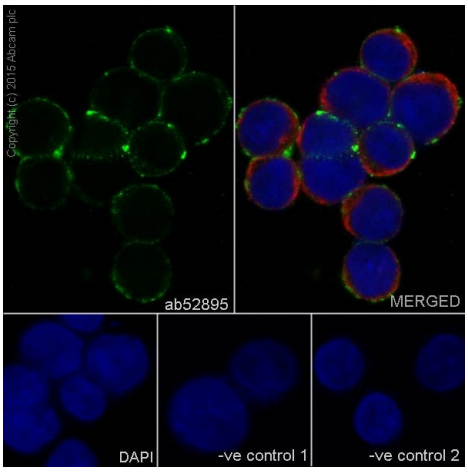
アプリケーション	Abreviews	特記事項
ICC/IF		Use at an assay dependent concentration.
IP		Use at an assay dependent concentration.
Flow Cyt		Use at an assay dependent concentration. **ab199376** - Rabbit monoclonal IgG (Low endotoxin, Azide free), is suitable for use as an isotype control with this antibody.
IHC-P		Use at an assay dependent concentration. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.
WB		Use at an assay dependent concentration.

ターゲット情報

機能	Integrin alpha-L/beta-2 is a receptor for ICAM1, ICAM2, ICAM3 and ICAM4. It is involved in a variety of immune phenomena including leukocyte-endothelial cell interaction, cytotoxic T-cell mediated killing, and antibody dependent killing by granulocytes and monocytes.
組織特異性	Leukocytes.

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.

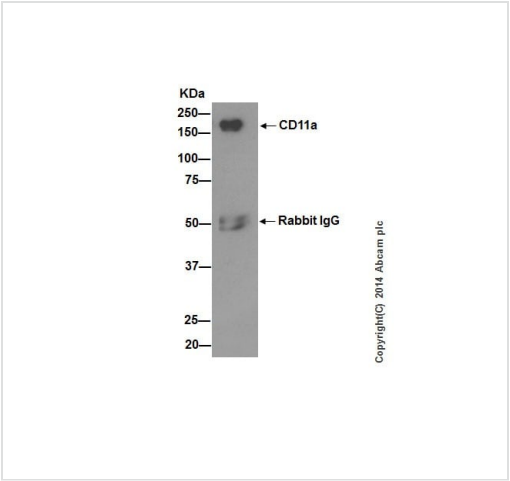
画像



Immunocytochemistry/ Immunofluorescence - Anti-CD11a antibody [EP1285Y] - Low endotoxin, Azide free (ab246701)

Immunofluorescent analysis of 4% paraformaldehyde-fixed, 0.1% Triton X-100 permeabilized Jurkat (Human T cell leukemia cells from peripheral blood) cells labeling CD11a with **ab52895** at 1/100 dilution. Goat anti-rabbit IgG (Alexa Fluor® 488) (**ab150077**) at 1/400 dilution was used as the secondary antibody (green). Confocal image shows membrane and cytoplasmic staining on Jurkat cells. The nuclear counter stain is DAPI (blue). Tubulin is detected with **ab7291** (anti-Tubulin mouse mAb) at 1/500 and **ab150120** (AlexaFluor®594 Goat anti-Mouse secondary) at 1/500 dilution (red).
The negative controls are as follows;
1. **ab52895** at 1/100 dilution followed by **ab150120** (AlexaFluor®594 Goat anti-Mouse secondary) at 1/500 dilution.
2. **ab7291** (anti-Tubulin mouse mAb) at 1/500 dilution followed by **ab150077** (Alexa Fluor®488 Goat Anti-Rabbit IgG H&L) at 1/400 dilution.

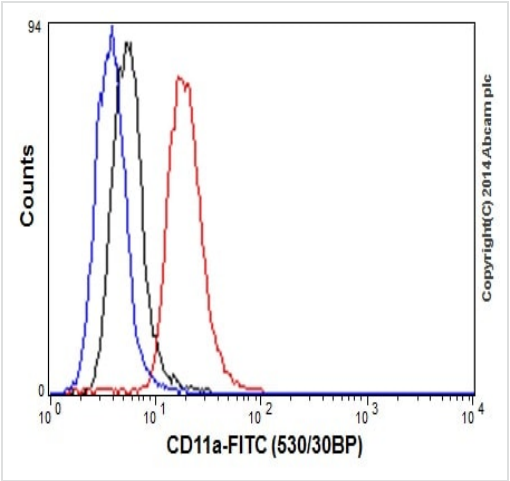
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol and sodium azide (**ab52895**).



Immunoprecipitation - Anti-CD11a antibody [EP1285Y] - Low endotoxin, Azide free (ab246701)

CD11a was immunoprecipitated from 1mg of Jurkat (Human T cell leukemia cells from peripheral blood) whole cell lysates using **ab52895** at 1/50 dilution. Western blot was performed from the immunoprecipitate using **ab52895** at 1/1000 dilution. Anti-Rabbit IgG (HRP), specific to the non-reduced form of IgG, was used as secondary antibody at 1/1000 dilution.
Blocking and dilution buffer and concentration: 5% NFDM/TBST.

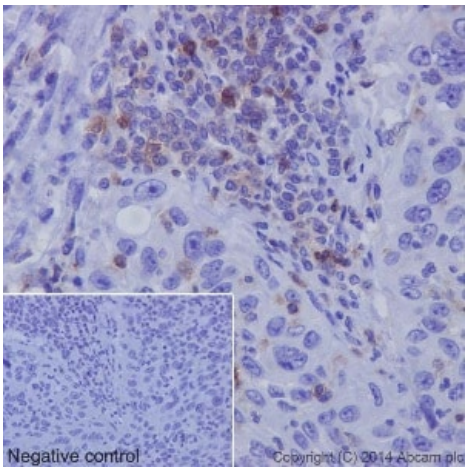
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol and sodium azide (**ab52895**).



Flow Cytometry - Anti-CD11a antibody [EP1285Y] - Low endotoxin, Azide free (ab246701)

Flow cytometry analysis of 2% paraformaldehyde fixed Jurkat (Human T cell leukemia cells from peripheral blood) cells labeling CD11a with **ab52895** at 1/50 dilution (red line). Secondary antibody used is a goat anti rabbit IgG (FITC) at 1/150 dilution. The isotype control is rabbit monoclonal IgG (black line). The unlabeled control is cells without incubation with primary and secondary antibodies (blue line).

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol and sodium azide (**ab52895**).

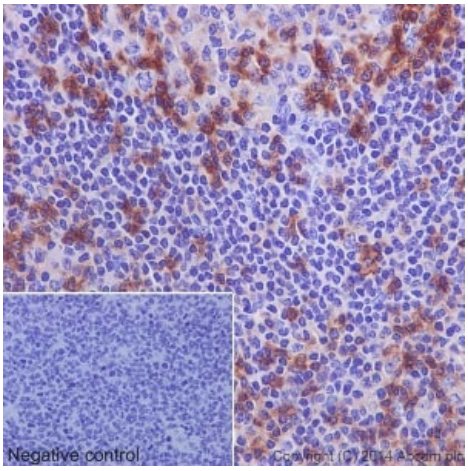


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD11a antibody [EP1285Y] - Low endotoxin, Azide free (ab246701)

Immunohistochemical analysis of paraffin-embedded human squamous cell cervical carcinoma labeling CD11a with **ab52895** at 1/1000 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP) (**ab79051**) at 1/500 dilution. Membrane/cytoplasmic staining on stromal inflammatory cells of human cervical cancer is observed. The negative control utilized PBS instead of primary antibody. Counterstained with hematoxylin.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol and sodium azide (**ab52895**).

Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

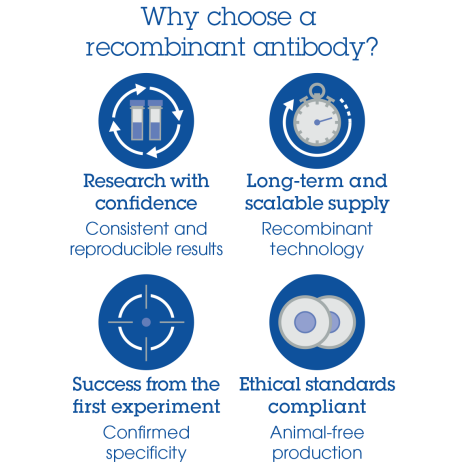


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD11a antibody [EP1285Y] - Low endotoxin, Azide free (ab246701)

Immunohistochemical analysis of paraffin-embedded human tonsil labeling CD11a with **ab52895** at 1/1000 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP) (**ab79051**) at 1/500 dilution. Membrane/cytoplasm staining on lymphocytes of human tonsil is observed. The negative control utilized PBS instead of primary antibody. Counterstained with hematoxylin.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol and sodium azide (**ab52895**).

Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



Anti-CD11a antibody [EP1285Y] - Low endotoxin, Azide free (ab246701)

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