

### Anti-CD11c antibody [EP1347Y] - C-terminal ab52632

リコンビナント **RabMAb**

★★★★★ **18 Abreviews** **99 References** 画像数 13

#### 製品の概要

製品名	Anti-CD11c antibody [EP1347Y] - C-terminal
製品の詳細	Rabbit monoclonal [EP1347Y] to CD11c - C-terminal
由来種	Rabbit
アプリケーション	<b>適用あり:</b> IHC-P, WB, IP
種交差性	<b>交差種:</b> Human
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: THP-1 starved for 2 hours, then treated with Phorbol-12-myristate-13-acetate at 100ng/ml for 96 hours whole cell lysate; THP-1 + TPA lysate. IHC-P: Human tonsil, lymph node and spleen tissues. IP: THP-1 starved for 2 hours, then treated with Phorbol-12-myristate-13-acetate at 100ng/ml for 96 hours whole cell 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"> <li>- High batch-to-batch consistency and reproducibility</li> <li>- Improved sensitivity and specificity</li> <li>- Long-term security of supply</li> <li>- Animal-free production</li> </ul> <p>For more information <a href="#">see here</a>.</p> <p>Our RabMAb<sup>®</sup> technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to <a href="#">RabMAb<sup>®</sup> patents</a>.</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. Avoid freeze / thaw cycle. Stable for 12 months at -20°C.
バッファー	<p>pH: 7.20</p> <p>Preservative: 0.01% Sodium azide</p> <p>Constituents: 59% PBS, 40% Glycerol, 0.05% BSA</p>
精製度	Protein A purified
ポリ/モノ	モノクローナル
クローン名	EP1347Y

アイソタイプ

IgG

アプリケーション

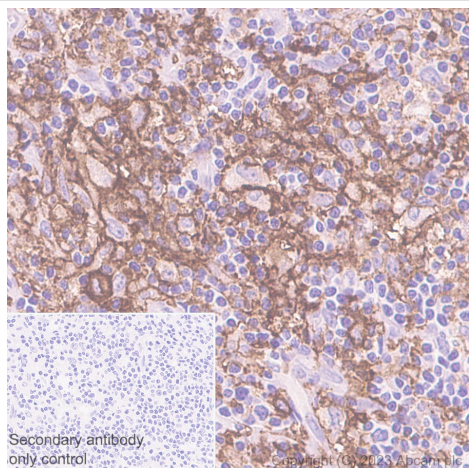
The Abpromise guarantee      Abpromise保証は、次のテスト済みアプリケーションにおけるab52632の使用に適用されます  
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
IHC-P	★★★★★ (12)	1/500. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol. <b>For unpurified use at 1/100 - 1/250.</b>
WB		1/1000 - 1/10000. Detects a band of approximately 150 kDa (predicted molecular weight: 128 kDa).
IP		1/20. <b>For unpurified use at 1/80.</b>

ターゲット情報

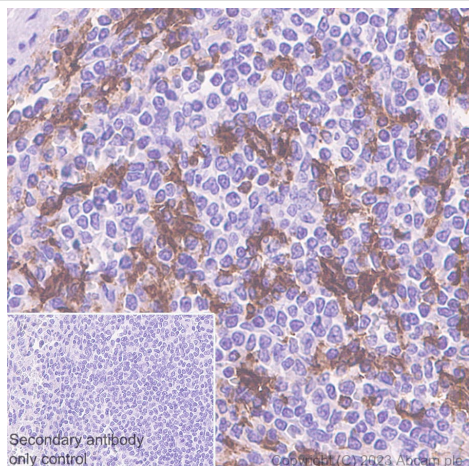
機能	Integrin alpha-X/beta-2 is a receptor for fibrinogen. It recognizes the sequence G-P-R in fibrinogen. It mediates cell-cell interaction during inflammatory responses. It is especially important in monocyte adhesion and chemotaxis.
組織特異性	Predominantly expressed in monocytes and granulocytes.
配列類似性	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



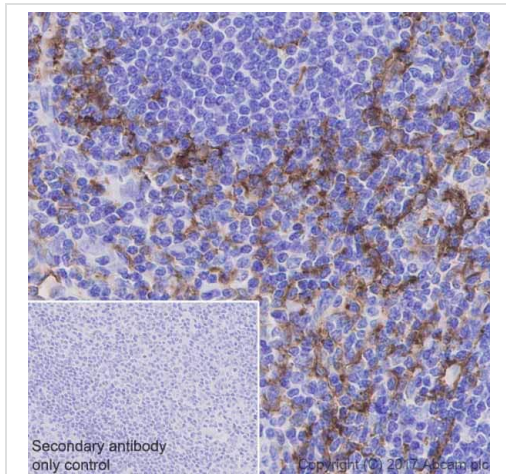
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD11c antibody  
[EP1347Y] - C-terminal (ab52632)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of Human Hodgkin's lymphoma sections labeling CD11c with ab52632 at 1:5000 dilution (0.02 µg/ml). Heat mediated antigen retrieval was performed using Tris-EDTA buffer (pH 9.0, Epitope Retrieval Solution2) for 20 mins. Tissue was counterstained with Hematoxylin. Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**) (ready to use) secondary antibody was used. Positive staining on human Hodgkin's lymphoma. The section was incubated with ab52632 for 30 mins at room temperature. The immunostaining was performed on a Leica Biosystems BOND® RX instrument.



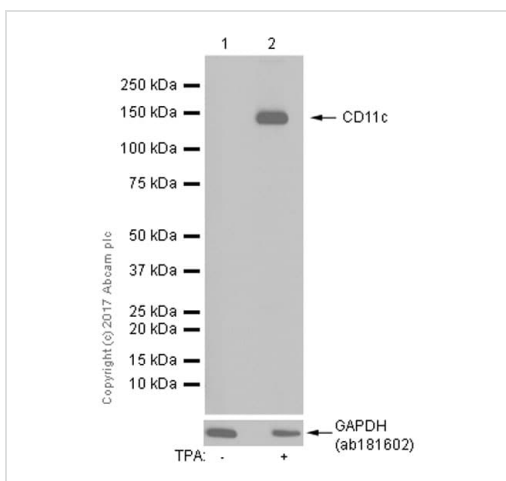
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD11c antibody  
[EP1347Y] - C-terminal (ab52632)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of Human spleen tissue sections labeling CD11c with ab52632 at 1:5000 dilution (0.02 µg/ml). Heat mediated antigen retrieval was performed using Tris-EDTA buffer (pH 9.0, Epitope Retrieval Solution2) for 20 mins. Tissue was counterstained with Hematoxylin. Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**) (ready to use) secondary antibody was used. Positive staining on human spleen. The section was incubated with ab52632 for 30 mins at room temperature. The immunostaining was performed on a Leica Biosystems BOND® RX instrument.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD11c antibody  
[EP1347Y] (ab52632)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of Human tonsil tissue sections labeling CD11c with Purified ab52632 at 1:500 dilution (0.21 µg/ml). Heat mediated antigen retrieval was performed using [ab93684](#) (Tris/EDTA buffer, pH 9.0). Tissue was counterstained with Hematoxylin. ImmunoHistoProbe one step HRP Polymer (ready to use) secondary antibody was used at 1:0 dilution. PBS instead of the primary antibody was used as the negative control.



Western blot - Anti-CD11c antibody [EP1347Y]  
(ab52632)

**All lanes :** Anti-CD11c antibody [EP1347Y] - C-terminal (ab52632) at 1/1000 dilution (purified)

**Lane 1 :** Untreated THP-1 (Human monocytic leukemia monocyte) whole cell lysates

**Lane 2 :** THP-1 (Human monocytic leukemia monocyte) starved for 2 hours, then treated with Phorbol-12-myristate-13-acetate at 100ng/ml for 96 hours whole cell lysates

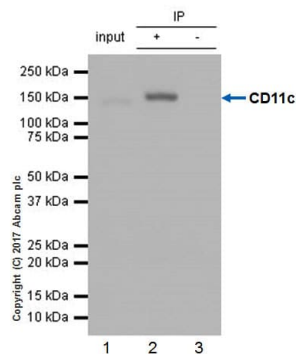
Lysates/proteins at 15 µg per lane.

### Secondary

**All lanes :** Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/20000 dilution

**Predicted band size:** 128 kDa

Blocking and diluting buffer: 5% NFDM/TBST



Immunoprecipitation - Anti-CD11c antibody  
[EP1347Y] (ab52632)

ab52632 (purified) at 1:20 dilution (2µg) immunoprecipitating CD11c in THP-1 (Human monocytic leukemia monocyte) starved for 2 hours, then treated with Phorbol-12-myristate-13-acetate at 100ng/ml for 96 hours whole cell lysate.

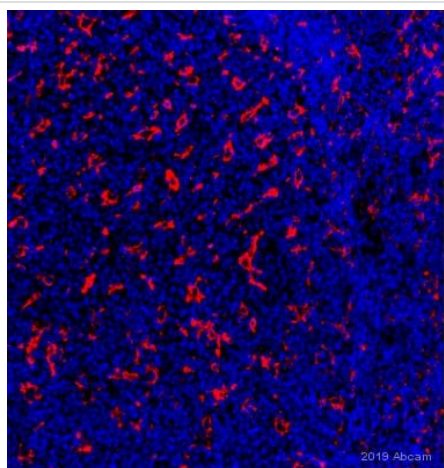
**Lane 1 (input):** THP-1 (Human monocytic leukemia monocyte) starved for 2 hours, then treated with Phorbol-12-myristate-13-acetate at 100ng/ml for 96 hours whole cell lysate 10ug

**Lane 2 (+):** ab52632 & THP-1 (Human monocytic leukemia monocyte) starved for 2 hours, then treated with Phorbol-12-myristate-13-acetate at 100ng/ml for 96 hours whole cell lysate

**Lane 3 (-):** Rabbit monoclonal IgG (**ab172730**) instead of ab52632 in THP-1 (Human monocytic leukemia monocyte) starved for 2 hours, then treated with Phorbol-12-myristate-13-acetate at 100ng/ml for 96 hours whole cell lysate

For western blotting, VeriBlot for IP Detection Reagent (HRP) (**ab131366**) was used for detection at 1:1000 dilution.

Blocking and diluting buffer: 5% NFDM/TBST."

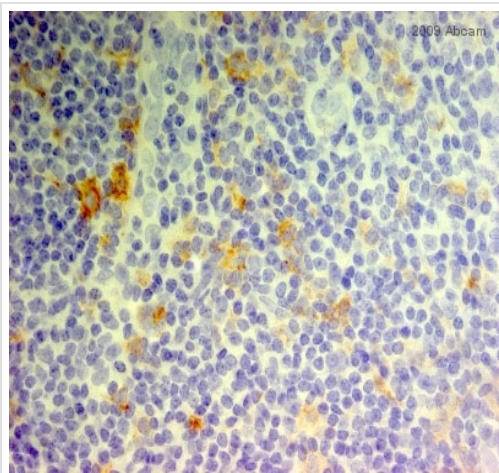


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD11c antibody  
[EP1347Y] - C-terminal (ab52632)

Image courtesy of an anonymous abreview

Immunohistochemical analysis of paraffin-embedded human tonsil tissue labelling CD11c with ab52632 at 1/500 dilution. Tissue fixed with 10% NBF. An Alexa Fluor® 647 Goat anti-Rabbit IgG secondary antibody was used. Heat mediated antigen retrieval with Tris/EDTA, pH 9 carried out.

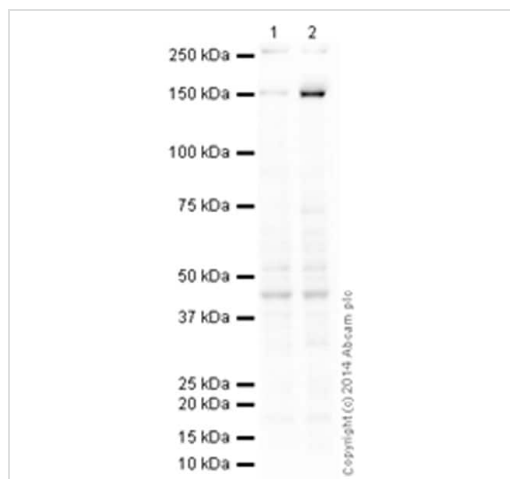




Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD11c antibody [EP1347Y] (ab52632)

This image is courtesy of an Abreview submitted by James Jupp

Unpurified ab52632 at 1/400 dilution staining CD11c in human tonsil tissue by immunohistochemistry (formalin/PFA-fixed paraffin-embedded sections). Sections were paraformaldehyde fixed, prior to blocking in 10% BSA in FCS (20ml) + DMEM (80ml) for 30 minutes at 21°C and then incubated with ab52632 for 20 hours at 4°C. A biotin conjugated rabbit polyclonal to mouse Ig, diluted 1/400, was used as the secondary antibody.



Western blot - Anti-CD11c antibody [EP1347Y] (ab52632)

**All lanes :** Anti-CD11c antibody [EP1347Y] - C-terminal (ab52632) at 1/1000 dilution (unpurified)

**Lane 1 :** THP1 (Human acute monocytic leukemia cell line) Whole Cell Lysate

**Lane 2 :** THP1 (Human acute monocytic leukemia cell line) + PMA Whole Cell Lysate

Lysates/proteins at 10 µg per lane.

### Secondary

**All lanes :** Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/10000 dilution

Developed using the ECL technique.

Performed under reducing conditions.

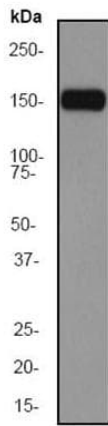
**Predicted band size:** 128 kDa

**Observed band size:** 150 kDa

**Exposure time:** 4 minutes

This blot was produced using a 10% Bis-tris gel under the MOPS buffer system. The gel was run at 200V for 50 minutes before being

transferred onto a Nitrocellulose membrane at 30V for 70 minutes. The membrane was then blocked for an hour using 2% Bovine Serum Albumin before being incubated with ab52632 overnight at 4°C. Antibody binding was detected using an anti-rabbit antibody conjugated to HRP, and visualised using ECL development solution.



Western blot - Anti-CD11c antibody [EP1347Y]  
(ab52632)

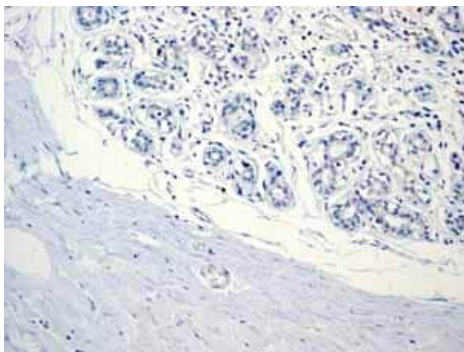
Anti-CD11c antibody [EP1347Y] - C-terminal (ab52632) at 1/1000 dilution (unpurified) + THP-1 + TPA lysate at 10 µg

### Secondary

Goat anti-rabbit HRP at 1/2000 dilution

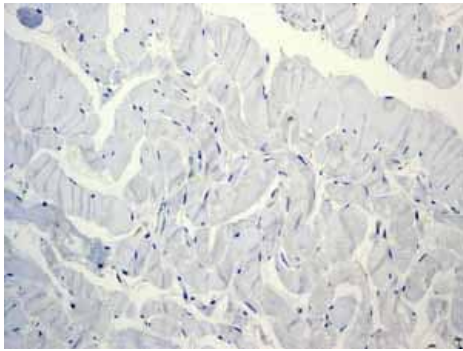
**Predicted band size:** 128 kDa

**Observed band size:** 150 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD11c antibody  
[EP1347Y] (ab52632)

Unpurified ab52632 showing negative staining in Normal breast tissue.



Unpurified ab52632 showing negative staining in Skeletal muscle tissue.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD11c antibody [EP1347Y] (ab52632)

Tissue Microarray (TMA) data for ab52632

Normal tissue samples		Malignant tissue samples	
Human cardiac muscle	x	Human placenta	x
Human cerebellum	x	Human skeletal muscle	x
Human colon	x (immune cells ✓)	Human skin	x
Human endometrium	x (immune cells ✓)	Human spleen	✓
Human kidney	x (immune cells ✓)	Human stomach	x
Human liver	x (Kupffer cells ✓)	Human testis	x
Human lung	x (immune cells ✓)	Human thyroid	x
Human mammary gland	x	Human tonsil	✓
Human pancreas	x (immune cells ✓)		
		Clear cell carcinoma of human kidney	x (immune cells ✓)
		Human bladder cancer	x (immune cells ✓)
		Human breast carcinoma	x
		Human cervical carcinoma	x (immune cells ✓)
		Human colon carcinoma	x (immune cells ✓)
		Human endometrial carcinoma	x (immune cells ✓)
		Human gastric adenocarcinoma	x
		Human glioma	x
		Human hepatocellular carcinoma	x (immune cells ✓)
		Human lung carcinoma	x (immune cells ✓)
		Human ovarian carcinoma	x
		Human pancreatic carcinoma	x (immune cells ✓)
		Human prostatic hyperplasia	x (immune cells ✓)
		Human thyroid carcinoma	x (immune cells ✓)

Tissue Microarrays stained for "Anti-CD11c antibody [EP1347Y] - C-terminal" using "ab52632" in immunohistochemical analysis. This table provides a detailed overview of positive (tick mark) and negative (cross mark) staining per sample type tested. The sections were pre-treated using Heat mediated antigen retrieval using Bond™ Epitope Retrieval Solution 2 (pH 9.0) for 20 minutes. The sections were incubated with ab52632 for 30 mins at room temperature followed by a ready to use Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**). The immunostaining was performed on a Leica Biosystems BOND® RX instrument.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD11c antibody [EP1347Y] - C-terminal (ab52632)

## Why choose a recombinant antibody?



**Research with confidence**  
Consistent and reproducible results



**Long-term and scalable supply**  
Recombinant technology



**Success from the first experiment**  
Confirmed specificity



**Ethical standards compliant**  
Animal-free production

Anti-CD11c antibody [EP1347Y] - C-terminal (ab52632)



**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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