

Anti-CD11b antibody [EPR19373] ab184307

重组 RabMAb

1 References **5 图像**

概述

产品名称	Anti-CD11b抗体[EPR19373]
描述	兔单克隆抗体[EPR19373] to CD11b
宿主	Rabbit
经测试应用	适用于: Flow Cyt, WB
种属反应性	与反应: Mouse, Rat, Human
免疫原	Recombinant fragment. This information is proprietary to Abcam and/or its suppliers.
阳性对照	WB: Mouse and rat spleen lysates; C6, M1, RAW 264.7 and J774A.1 whole cell lysates. Flow Cyt: RAW 264.7 cells.
常规说明	<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>

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C. Avoid freeze / thaw cycle.
存储溶液	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
纯度	Protein A purified
克隆	单克隆
克隆编号	EPR19373
同种型	IgG

应用

The Abpromise guarantee **Abpromise™**承诺保证使用ab184307于以下的经测试应用

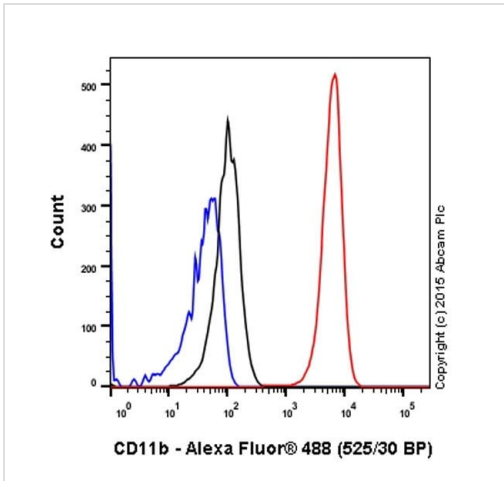
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
Flow Cyt		1/120.
WB		1/1000. Detects a band of approximately 170 kDa (predicted molecular weight: 127 kDa).

靶标

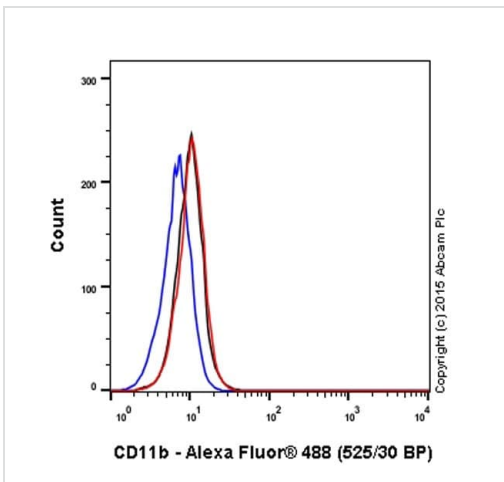
功能	Integrin alpha-M/beta-2 is implicated in various adhesive interactions of monocytes, macrophages and granulocytes as well as in mediating the uptake of complement-coated particles. It is identical with CR-3, the receptor for the iC3b fragment of the third complement component. It probably recognizes 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.
组织特异性	Predominantly expressed in monocytes and granulocytes.
疾病相关	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.
序列相似性	Belongs to the integrin alpha chain family. Contains 7 FG-GAP repeats. Contains 1 VWFA domain.
结构域	The integrin I-domain (insert) is a VWFA domain. Integrins with I-domains do not undergo protease cleavage.
细胞定位	Membrane.

图片



Flow Cytometry - Anti-CD11b antibody [EPR19373]
(ab184307)

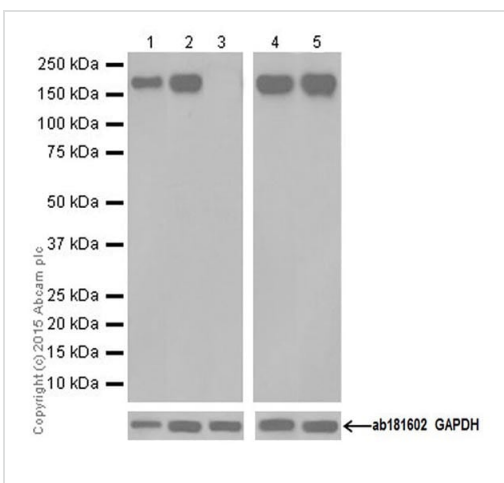
Flow cytometric analysis of 4% paraformaldehyde-fixed RAW 264.7 (Mouse macrophage cell line transformed with Abelson murine leukaemia virus) cell line labeling CD11b with ab184307 at 1/120 dilution (red) compared with a Rabbit IgG, monoclonal [EPR25A]-Isotype control (**ab172730**; black) and an unlabelled control (cells without incubation with primary antibody and secondary antibody; (blue). Goat anti Rabbit IgG (FITC) at 1/500 dilution was used as the secondary antibody.



Flow Cytometry - Anti-CD11b antibody [EPR19373]
(ab184307)

Flow cytometric analysis of 4% paraformaldehyde-fixed WEHI-231 (Mouse lymphoblast B cell lymphoma cell line) cells labeling CD11b with ab184307 at 1/120 dilution (red) compared with a Rabbit IgG, monoclonal [EPR25A]-Isotype control (**ab172730**) (black) and an unlabelled control (cells without incubation with primary antibody and secondary antibody) (blue). Goat anti Rabbit IgG (FITC) at 1/500 dilution was used as the secondary antibody.

Negative control: WEHI-231 is negative for CD11b.



Western blot - Anti-CD11b antibody [EPR19373]
(ab184307)

Lanes 1-3 : Anti-CD11b antibody [EPR19373] (ab184307) at 1/1000 dilution

Lanes 4-5 : Anti-CD11b antibody [EPR19373] (ab184307) at 1/5000 dilution

Lane 1 : Mouse spleen lysate

Lane 2 : M1 (Mouse myeloblast myeloid leukaemia cell line) whole cell lysate

Lane 3 : WEHI-231 (Mouse lymphoblast B cell lymphoma cell line) whole cell lysate

Lane 4 : RAW 264.7 (Mouse macrophage cell line transformed with Abelson murine leukemia virus) whole cell lysate

Lane 5 : J774A.1 (Mouse macrophage reticulum cell sarcoma cell line) whole cell lysate

Lysates/proteins at 20 µg per lane.

Secondary

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

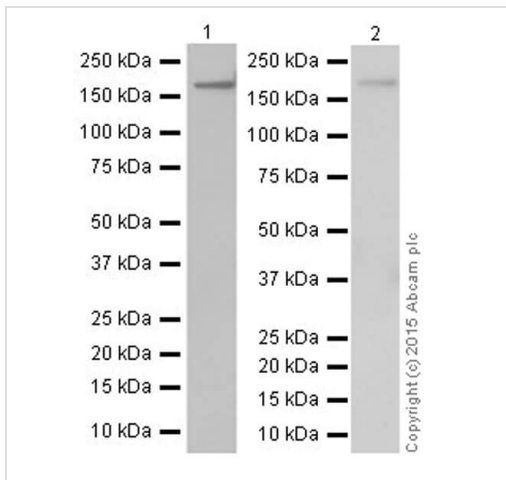
Predicted band size: 127 kDa

Observed band size: 170 kDa

Exposure time: 3 minutes

Blocking/Dilution buffer: 5% NFDm/TBST.

CD11b is a 170 kD glycoprotein also known as αM integrin, Mac-1 α subunit (PMID: 10603370). It is exclusively restricted to cells of the myeloid lineages and monocytes, but not in T or B cell lines, so WEHI-231 cell lysate serves as a negative control (PMID: 2457584).



Western blot - Anti-CD11b antibody [EPR19373] (ab184307)

All lanes : Anti-CD11b antibody [EPR19373] (ab184307) at 1/1000 dilution

Lane 1 : C6 (Rat glial tumor cell line) whole cell lysate

Lane 2 : Rat spleen lysate

Lysates/proteins at 10 µg per lane.

Secondary

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

Predicted band size: 127 kDa


Observed band size: 170 kDa

Exposure time: 3 minutes

Blocking/Dilution buffer: 5% NFDm/TBST.

CD11b is a 170 kD glycoprotein also known as αM integrin, Mac-1 α subunit (PMID: 10603370).

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-CD11b antibody [EPR19373] (ab184307)

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

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