abcam

Product datasheet

Anti-F4/80 antibody [SP115] ab111101

重组 RabMAb

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概述

产品名称	Anti-F4/80抗体[SP115]
描述	兔单克隆抗体[SP115] to F4/80
宿主	Rabbit
经测试应用	**适用于:** IHC-P **不适用于:** Flow Cyt
种属反应性	**与反应:** Mouse
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
阳性对照	IHC-P: Mouse colon, liver and lung tissue; M1 and M2 macrophages from mice colon tissue.
常规说明	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**. **This product is FOR RESEARCH USE ONLY. For commercial use, please contact partnerships@abcam.com.**

性能

形式	Liquid
存放说明	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
存储溶液	pH: 7.20 Preservative: 0.1% Sodium azide Constituents: 1% BSA, PBS
纯度	Protein A purified
纯化说明	Purified from TCS by protein A/G.
克隆	单克隆
克隆编号	SP115
同种型	IgG

应用

The Abpromise guarantee **Abpromise™承诺保证使用ab111101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
IHC-P	★★★★☆ (11)	1/50 - 1/100. Incubate primary antibody overnight at 4C. For antigen retrieval: Boil tissue section in Tris-EDTA (pH 9.0) buffer for 10 min followed by cooling at RT for 20 min. Abcam recommends using a polymer-HRP conjugated secondary for optimal signal.

应用说明 Is unsuitable for Flow Cyt.

靶标

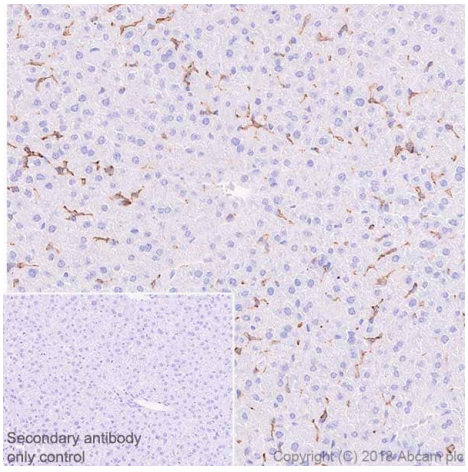
功能 Orphan receptor involved in cell adhesion and probably in cell-cell interactions specifically involving cells of the immune system. May play a role in regulatory T-cells (Treg) development.

组织特异性 Expression is restricted to eosinophils.

序列相似性 Belongs to the G-protein coupled receptor 2 family. Adhesion G-protein coupled receptor (ADGR) subfamily.
Contains 6 EGF-like domains.
Contains 1 GPS domain.

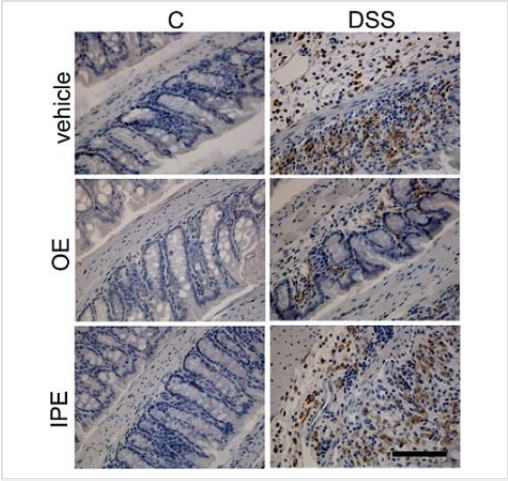
细胞定位 Cell membrane.

图片



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-F4/80 antibody [SP115] (ab111101)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of Mouse liver tissue sections labeling F4/80 with ab111101 at 1/250 dilution (0.48 µg/ml). Heat mediated antigen retrieval using **ab93684** (Tris/EDTA buffer, pH 9.0). Goat Anti-Rabbit IgG H&L (HRP) was used as the secondary antibody. Hematoxylin was used as a counterstain. Positive staining on macrophages in the mouse liver.



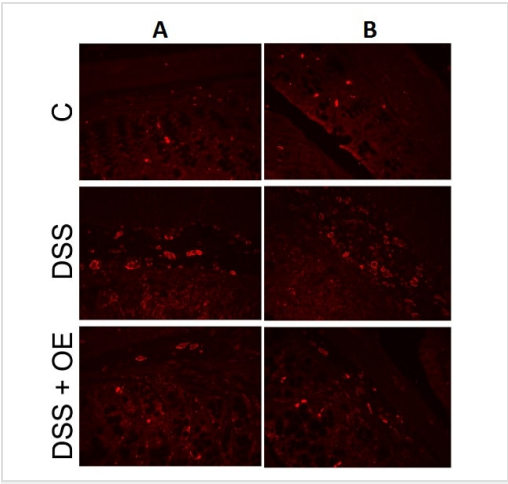
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-F4/80 antibody [SP115] (ab111101)

Lean, Q.Y. et al PLoS One. 2015 Jul 28;10(7):e0134259. doi: 10.1371/journal.pone.0134259. eCollection 2015

Representative immunostaining of F4/80-positive macrophages in the distal colon from healthy and colitic mice treated with and without enoxaparin.

For immunohistochemical staining, antigen retrieval was performed by incubating the sections for 10 minutes at 97°C in 1 mM EDTA buffer, pH 8 or 10 mM citrate buffer, pH 6. Activity of endogenous peroxidase was blocked by incubating sections with 3% v/v hydrogen for 20 minutes. Sections were then washed with 0.05 M Tris-buffered saline containing 0.5% v/v Tween 20 (TBST), pH 7.6. Subsequently, sections were incubated with serum-free protein block for 10 minutes. Colon sections were then incubated with primary antibody ab111101 at 1/100 dilution overnight at 4°C or room temperature for 1 hour. Sections were then washed 3 x 5 minutes and allowed to react with secondary antibody: anti-rabbit immunoglobulin C conjugated to horseradish peroxidase (HRP) (**ab7090**) at 1/300 dilution at room temperature for 1 hour.

Scale bar = 100 µm for 400 x magnification. Control, C; untreated colitis, DSS; oral enoxaparin, OE; intraperitoneal injection of enoxaparin, IPE.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-F4/80 antibody [SP115] (ab111101)

Lean, Q.Y. et al PLoS One. 2015 Jul 28;10(7):e0134259. doi: 10.1371/journal.pone.0134259. eCollection 2015

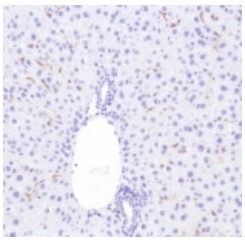
Representative images of (A) M1 macrophages ($F4/80^+$ and $iNOS^+$) and (B) M2 macrophages ($F4/80^+$ and $CD206^+$) using colon tissue from n = 3–5 mice. F4/80 positive cells were visualized using Alexa Fluor 594-conjugated goat anti-rat IgG (red). Nuclei were stained with 4',6-diamidino-2-phenylindole (DAPI, blue).

Scale bar = 50 µm for 400 × magnification. Control, C; untreated colitis, DSS; colitis with oral enoxaparin, DSS+OE.

For immunofluorescence staining, sections were dewaxed and rehydrated before antigen retrieval using 10 mM citrate buffer, pH 6 for 15 minutes at 97°C. Sections were incubated with serum-free protein block and permeabilized with 0.4% v/v Triton-X at room temperature for 30 minutes. Sections were incubated with primary antibodies anti-F4/80 (**ab16911**) at 1/25 dilution overnight at 4°C or at room temperature for 1 hour. Sections were washed with TBST 3 × 10 minutes and incubated with species-specific secondary antibodies: anti-rat IgG H&L AlexaFluor 594 (**ab150160**, Abcam, 1:1000) and anti-rabbit IgG H&L AlexaFluor 488 (A11070, Thermo Fisher Scientific, Melbourne, Australia, 1:1000) at room temperature for 2 hours. Sections were rinsed with TBST 3 × 10 minutes, followed by a quick wash with distilled water before mounting using Glycerol Mounting Medium (Abcam) that contained 4',6-diamidino-2-phenylindole (DAPI) and 1,4-diazobicyclo-2,2,2-octane (DABCO). Labelled tissues were visualized using a Leica

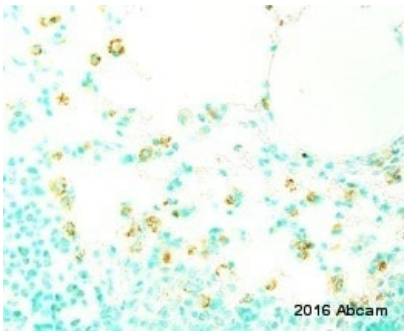
DM LB2 microscope. Fluorescence images (400 × magnification) were captured using NIS-Elements 4.13 (Nikon) software.

For full image see PMID: 26218284.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-F4/80 antibody [SP115] (ab111101)

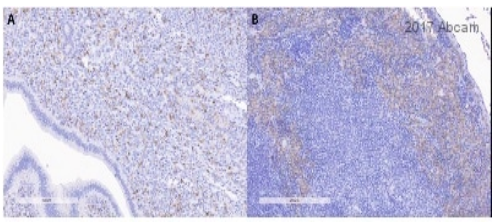
ab111101 at 1/100 dilution staining F4/80 in Formalin-fixed, paraffin-embedded Mouse liver tissue.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-F4/80 antibody [SP115] (ab111101)

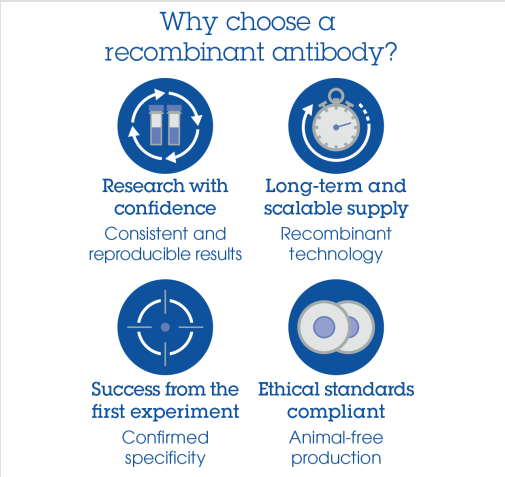
This image is of an Abreciew submitted by Francois Daubeuf.

Immunohistochemistry analysis of Formalin fixed paraffin-embedded mouse lung tissue sections labeling F4/80 with ab111101 at 1/200 for 16 hours at 4°C. Biotin conjugated Goat anti-rabbit polyclonal antibody at 1/500 was used as the secondary. Antigen retrieval was heat mediated using citrate buffer pH 6.0.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-F4/80 antibody [SP115] (ab111101)

Immunohistochemical analysis staining for macrophages in (A) mouse uterus and (B) mouse spleen using ab111101 at a dilution of 1:200. HRP Anti-Rabbit IgG (Peroxidase) Polymer D antibody was used as a secondary.



Anti-F4/80 antibody [SP115] (ab111101)

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