

Product datasheet

Anti-CD11b antibody [SP330] - C-terminal ab224805

Recombinant RabMAb

[1 References](#) [14 Images](#)

Overview

Product name	Anti-CD11b antibody [SP330] - C-terminal
Description	Rabbit monoclonal [SP330] to CD11b - C-terminal
Host species	Rabbit
Tested applications	Suitable for: Flow Cyt, WB, IHC-P
Species reactivity	Reacts with: Human
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	WB: TF-1 cell lysate. IHC-P: Human tonsil, colon, spleen, bone marrow, lung, cerebellum, thymus, lymph node, HK lymphoma, pancreatic adenocarcinoma and endometrial adenocarcinoma tissues. Flow Cyt: TF-1 cells.
General notes	This product is FOR RESEARCH USE ONLY. For commercial use, please contact partnerships@abcam.com.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.20 Preservative: 0.1% Sodium azide Constituents: PBS, 1% BSA
Purity	Protein A/G purified
Purification notes	Purified from TCS by protein A/G.
Clonality	Monoclonal
Clone number	SP330
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab224805 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
Flow Cyt		1/100. Primary incubation for 30 minutes at 4°C.
WB		1/400. Predicted molecular weight: 127 kDa. Primary incubation for 1 hour at room temperature.
IHC-P		1/100. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol. Primary incubation for 10 minutes at room temperature.

Target**Function**

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.

Tissue specificity

Predominantly expressed in monocytes and granulocytes.

Involvement in disease

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.

Sequence similarities

Belongs to the integrin alpha chain family.
Contains 7 FG-GAP repeats.
Contains 1 VWFA domain.

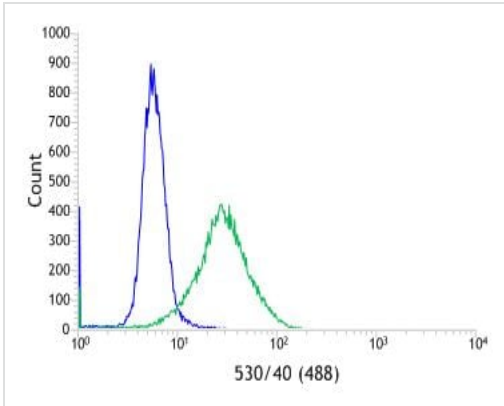
Domain

The integrin I-domain (insert) is a VWFA domain. Integrins with I-domains do not undergo protease cleavage.

Cellular localization

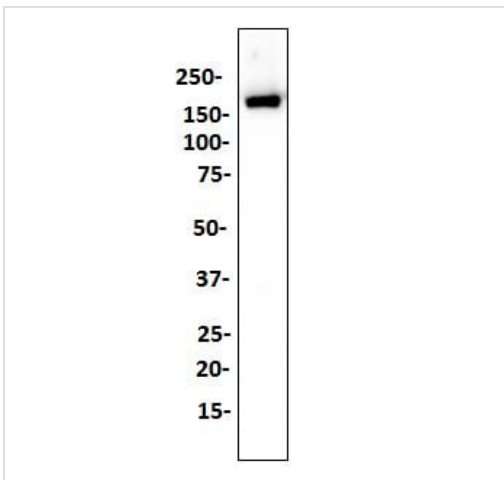
Membrane.

Images



Flow cytometric analysis of TF-1 (human bone marrow erythroleukemia cell line) cell line labeling CD11b with ab224805 at 1/100 dilution (green) compared with a negative control of rabbit IgG (blue) .

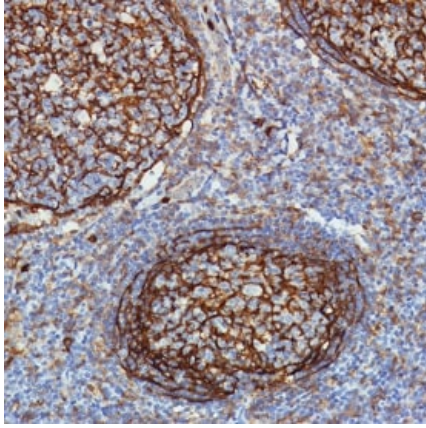
Flow Cytometry - Anti-CD11b antibody [SP330] - C-terminal (ab224805)



Anti-CD11b antibody [SP330] - C-terminal (ab224805) at 1/100 dilution + TF-1 (human bone marrow erythroleukemia cell line) cell lysate

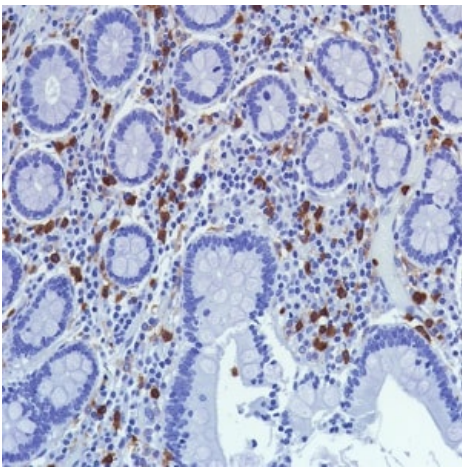
Predicted band size: 127 kDa

Western blot - Anti-CD11b antibody [SP330] - C-terminal (ab224805)



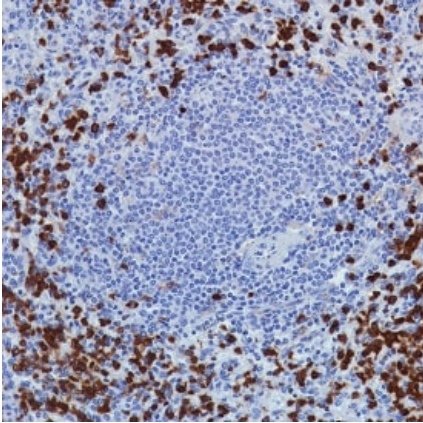
Formalin-fixed, paraffin-embedded human tonsil tissue stained for CD11b using ab224805 at 1/100 dilution in immunohistochemical analysis.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD11b antibody [SP330]
- C-terminal (ab224805)



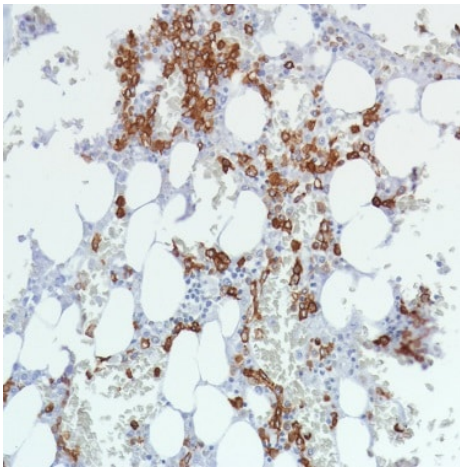
Formalin-fixed, paraffin-embedded human colon tissue stained for CD11b using ab224805 at 1/100 dilution in immunohistochemical analysis.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD11b antibody [SP330]
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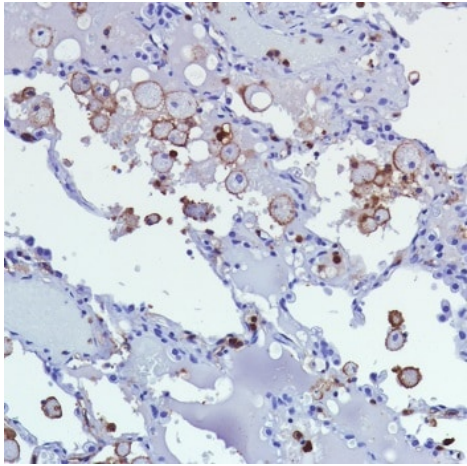
Formalin-fixed, paraffin-embedded human spleen tissue stained for CD11b using ab224805 at 1/100 dilution in immunohistochemical analysis.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD11b antibody [SP330]
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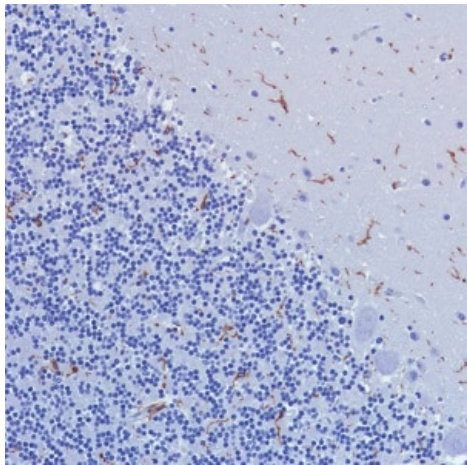
Formalin-fixed, paraffin-embedded human bone marrow tissue stained for CD11b using ab224805 at 1/100 dilution in immunohistochemical analysis.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD11b antibody [SP330]
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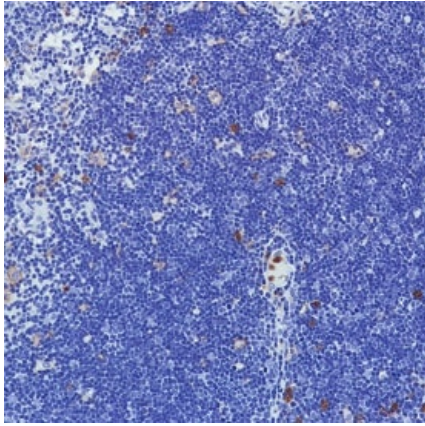
Formalin-fixed, paraffin-embedded human lung tissue stained for CD11b using ab224805 at 1/100 dilution in immunohistochemical analysis.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD11b antibody [SP330]
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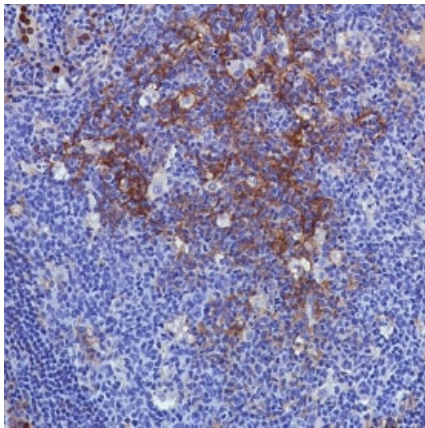
Formalin-fixed, paraffin-embedded human cerebellum tissue stained for CD11b using ab224805 at 1/100 dilution in immunohistochemical analysis.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD11b antibody [SP330]
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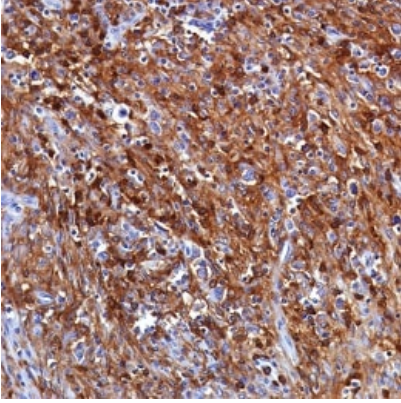
Formalin-fixed, paraffin-embedded human thymus tissue stained for CD11b using ab224805 at 1/100 dilution in immunohistochemical analysis.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD11b antibody [SP330]
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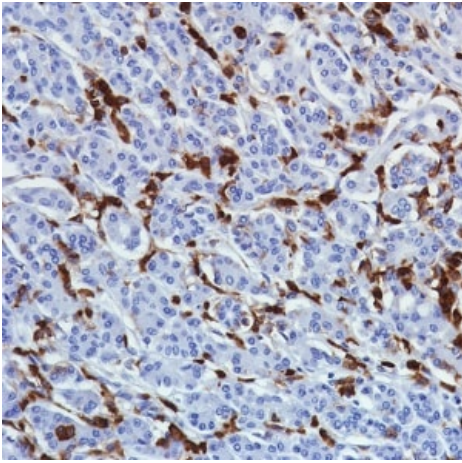
Formalin-fixed, paraffin-embedded human lymph node tissue stained for CD11b using ab224805 at 1/100 dilution in immunohistochemical analysis.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD11b antibody [SP330]
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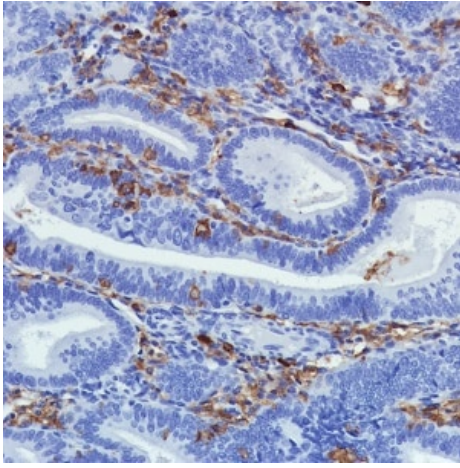
Formalin-fixed, paraffin-embedded human HK lymphoma tissue stained for CD11b using ab224805 at 1/100 dilution in immunohistochemical analysis.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD11b antibody [SP330]
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Formalin-fixed, paraffin-embedded human pancreatic adenocarcinoma tissue stained for CD11b using ab224805 at 1/100 dilution in immunohistochemical analysis.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD11b antibody [SP330]
- C-terminal (ab224805)



Formalin-fixed, paraffin-embedded human endometrial adenocarcinoma tissue stained for CD11b using ab224805 at 1/100 dilution in immunohistochemical analysis.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD11b antibody [SP330] - C-terminal (ab224805)

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 [SP330] - C-terminal (ab224805)

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

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