

## Product datasheet

### Anti-CD11c antibody [N418] ab33483

★★★★★ [14 Abreviews](#) [77 References](#) [2 Images](#)

#### Overview

|                            |  |
|----------------------------|--|
| <b>Product name</b>        | Anti-CD11c antibody [N418]   |
| <b>Description</b>         | Armenian hamster monoclonal [N418] to CD11c  |
| <b>Host species</b>        | Armenian hamster   |
| <b>Tested applications</b> | <b>Suitable for:</b> Flow Cyt  |
| <b>Species reactivity</b>  | <b>Reacts with:</b> Mouse  |
| <b>Immunogen</b>           | Tissue, cells or virus. This information is proprietary to Abcam and/or its suppliers.   |
| <b>Positive control</b>    | IHC: mouse liver tissue, mouse spleen tissue Flow Cyt: Mouse splenocytes.  |
| <b>General notes</b>       | <p>Clone N418 has been reported to enhance antigen specific responses when used to target dendritic cells in vivo.</p> <p>This antibody clone is manufactured by Abcam. If you require a custom buffer formulation or conjugation for your experiments, please contact <a href="mailto:orders@abcam.com">orders@abcam.com</a>.</p> <p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&amp;As</p> |

#### Properties

|                               |   |
|-------------------------------|---|
| <b>Form</b>                   | Liquid  |
| <b>Storage instructions</b>   | 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. |
| <b>Storage buffer</b>         | Preservative: 0.02% Sodium azide<br>Constituents: PBS, 6.97% L-Arginine   |
| <b>Purity</b>                 | Protein G purified  |
| <b>Primary antibody notes</b> | Clone N418 has been reported to enhance antigen specific responses when used to target dendritic cells in vivo.                   |
| <b>Clonality</b>              | Monoclonal  |

|              |       |
|--------------|-------|
| Clone number | N418  |
| Myeloma      | Sp2/0 |
| Isotype      | IgG   |

## Applications

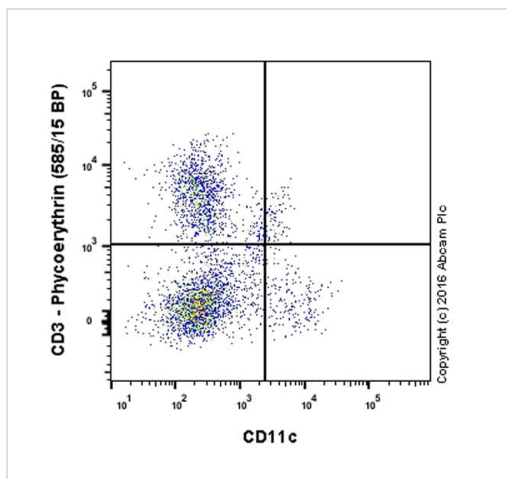
**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab33483 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

| Application | Abreviews | Notes   |
|-------------|-----------|---|
| Flow Cyt    | ★★★★★ (1) | 1/100.<br><b>ab18479</b> - Armenian Hamster monoclonal IgG, is suitable for use as an isotype control with this antibody. |

## Target

|                              |  |
|------------------------------|--|
| <b>Function</b>              | 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. |
| <b>Tissue specificity</b>    | Predominantly expressed in monocytes and granulocytes.   |
| <b>Sequence similarities</b> | Belongs to the integrin alpha chain family.<br>Contains 7 FG-GAP repeats.<br>Contains 1 VWFA domain.   |
| <b>Domain</b>                | The integrin I-domain (insert) is a VWFA domain. Integrins with I-domains do not undergo protease cleavage.  |
| <b>Cellular localization</b> | Membrane.  |

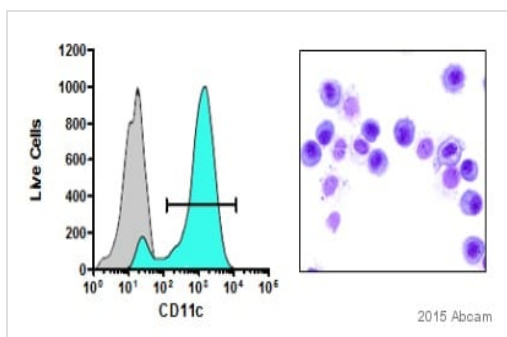
## Images



Flow Cytometry - Anti-CD11c antibody [N418]  
(ab33483)

Mouse splenic cells were incubated with anti-CD11c antibody ab33483 at 1/100 dilution for 30 min at 4°C. The secondary antibody used was goat anti-Armenian Hamster (Alexa Fluor® 488) preadsorbed at 1/100 dilution for 30 min at 4°C. The cells were simultaneously stained with CD3 PE-conjugated (**ab22268**) at 1/200 dilution.

Acquisition of >30,000 total events were collected. Gating strategy – events were collected with the forward and side light-scatter characteristics of viable lymphocytes.



Flow Cytometry - Anti-CD11c antibody [N418]  
(ab33483)

Flow cytometry analysis of murine alveolar cells extracted using bronchoalveolar lavage in balb/c mice using 3mM PBS-EDTA, labelling CD11c with ab33483 at 1/2000, incubated for 20 mins at 20°C. Secondary used was **ab175680** at 1/2000. Gating strategy was against CD45+, C11b+, GR1-cells.

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

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