Overview

Product name  Anti-CD11c antibody [EPR21826]
Description  Rabbit monoclonal [EPR21826] to CD11c
Host species  Rabbit
Tested applications  Suitable for: IHC-P, Flow Cyt
Species reactivity  Reacts with: Mouse
Immunogen  Recombinant fragment within Mouse CD11c aa 150-350. The exact sequence is proprietary. Database link: Q9QXH4
Positive control  IHC-P: Mouse spleen tissue. Flow Cyt: Mouse primary splenocytes.
General notes  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.

Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb® patents.

Properties

Form  Liquid
Storage buffer  Preservative: 0.01% Sodium azide
Constituents: PBS, 40% Glycerol, 0.05% BSA
Purity  Protein A purified
Clonality  Monoclonal
Clone number  EPR21826
Isotype  IgG
**Function**
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.

**Tissue specificity**
Predominantly expressed in monocytes and granulocytes.

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

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

**Cellular localization**
Membrane.

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### Applications

Our [Abpromise guarantee](https://www.abcam.com/abpromise) covers the use of [ab219799](https://www.abcam.com/ab219799) in the following tested applications.

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

<table>
<thead>
<tr>
<th>Application</th>
<th>Abreviews</th>
<th>Notes</th>
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<tbody>
<tr>
<td>IHC-P</td>
<td>1/100. Perform heat mediated antigen retrieval before commencing with IHC staining protocol.</td>
<td></td>
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<tr>
<td>Flow Cyt</td>
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### Target

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### Images

Immunohistochemical analysis of paraffin-embedded mouse spleen tissue labeling CD11c with ab219799 at 1/100 dilution, followed by ready to use Rabbit specific IHC polymer detection kit HRP/DAB ([ab209101](https://www.abcam.com/ab209101)). Positive staining on dendritic cells of mouse spleen (PMID: 20194631, PMID: 15795237) is observed. Counterstained with hematoxylin.

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is ready to use Rabbit specific IHC polymer detection kit HRP/DAB ([ab209101](https://www.abcam.com/ab209101)).

Perform heat mediated antigen retrieval using [ab208572](https://www.abcam.com/ab208572) (Universal HIER antigen retrieval reagent).
Flow cytometric analysis of mouse primary splenocytes labeling CD11c with ab219799 at a 1/50 dilution.

Cells were stained with BV421 conjugated CD11b and rabbit IgG (Left panel) or CD11c (Right panel).

Goat anti rabbit IgG (Alexa Fluor® 488, ab150077), at 1/2000 dilution was used as the secondary antibody.

Gated on viable cells.

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

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