

FITC Anti-CD11c antibody [BU15] ab22540

4 References

Overview

| | |
|----------------------------|---|
| Product name | FITC Anti-CD11c antibody [BU15] |
| Description | FITC Mouse monoclonal [BU15] to CD11c |
| Host species | Mouse |
| Conjugation | FITC. Ex: 493nm, Em: 528nm |
| Specificity | This antibody recognises the integrin alphax subunit, a 150kD glycoprotein expressed by macrophages, monocytes, granulocytes and NK cells. The antigen is also expressed by hairy cell leukaemia cells. Ligands for CD11c are ICAM 1, iC3b, and fibrinogen. The molecule has a role in mediating adherence of granulocytes and monocytes to endothelium and fibrinogen. |
| Tested applications | Suitable for: Flow Cyt |
| Species reactivity | Reacts with: Dog, Human, Cynomolgus monkey |
| Immunogen | The details of the immunogen for this antibody are not available. |
| General notes | <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&As</p> |

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 or -80°C. Avoid freeze / thaw cycle. |
| Storage buffer | Preservative: 0.09% Sodium azide Constituent: 1% BSA |
| Purity | Protein G purified |
| Clonality | Monoclonal |
| Clone number | BU15 |
| Isotype | IgG1 |

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab22540 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 - 1/10. ab91356 - Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody. Use 10µl of working dilution for 10 ⁶ cells. |

Target

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

Cellular localization

Membrane.

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