

Product datasheet

FITC Anti-CD11c antibody [BU15] ab22540

3 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.
Species reactivity	Reacts with: Dog, Human, Cynomolgus monkey
Immunogen	The details of the immunogen for this antibody are not available.
General notes	<p>Reproducibility is key to advancing scientific discovery and accelerating scientists' next breakthrough.</p> <p>Abcam is leading the way with our range of recombinant antibodies, knockout-validated antibodies and knockout cell lines, all of which support improved reproducibility.</p> <p>We are also planning to innovate the way in which we present recommended applications and species on our product datasheets, so that only applications & species that have been tested in our own labs, our suppliers or by selected trusted collaborators are covered by our Abpromise™ guarantee.</p> <p>In preparation for this, we have started to update the applications & species that this product is Abpromise guaranteed for.</p> <p>We are also updating the applications & species that this product has been “predicted to work with,” however this information is not covered by our Abpromise guarantee.</p> <p>Applications & species from publications and Abreviews that have not been tested in our own labs or in those of our suppliers are not covered by the Abpromise guarantee.</p> <p>Please check that this product meets your needs before purchasing. 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, as well as 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

Application notes	Flow Cyt: Use 10µl of working dilution for 10 ⁶ cells. Suggested working dilution is neat - 1/10. Not tested in other applications. Optimal dilutions/concentrations should be determined by the end user.
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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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