

Product datasheet

APC/Cy7® Anti-Integrin alpha 2 antibody [DX5] ab46795

★★★★★ [1 Abreviews](#) [1 Image](#)

Overview

Product name	APC/Cy7® Anti-Integrin alpha 2 antibody [DX5]
Description	APC/Cy7® Rat monoclonal [DX5] to Integrin alpha 2
Host species	Rat
Conjugation	APC/Cy7®. Ex: 650nm, Em: 774nm
Specificity	ab46795 reacts with mouse CD49b, Mr 160-kDa.
Tested applications	Suitable for: Flow Cyt Unsuitable for: IHC-Fr or IHC-P
Species reactivity	Reacts with: Mouse
Immunogen	Tissue, cells or virus corresponding to Mouse Integrin alpha 2. NK cells isolated from C57BL/6 mice
General notes	<p>This product or portions thereof is manufactured under license from Carnegie Mellon University under U.S. Patent Number 5, 268, 486 and related patents. Cy® and CyDye® are trademarks of Cytiva.</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&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C. Store In the Dark.
Storage buffer	pH: 7.1 Preservative: 0.09% Sodium azide Constituents: PBS, 16% Sucrose

	Also contains stabilising agent.
Purity	Purified IgM
Clonality	Monoclonal
Clone number	DX5
Isotype	IgM
Light chain type	kappa

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab46795 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

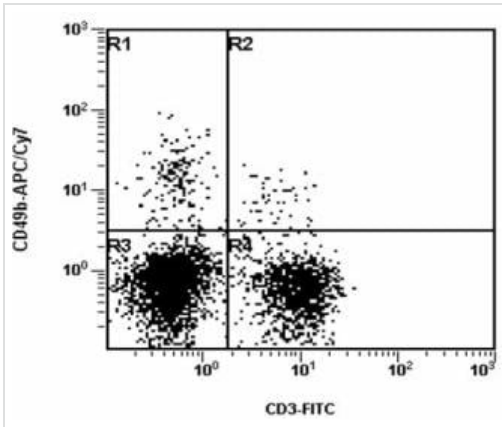
Application	Abreviews	Notes
Flow Cyt	★★★★★ (1)	Use 0.2µl for 10 ⁶ cells.

Application notes Is unsuitable for IHC-Fr or IHC-P.

Target

Function	Integrin alpha-2/beta-1 is a receptor for laminin, collagen, collagen C-propeptides, fibronectin and E-cadherin. It recognizes the proline-hydroxylated sequence G-F-P-G-E-R in collagen. It is responsible for adhesion of platelets and other cells to collagens, modulation of collagen and collagenase gene expression, force generation and organization of newly synthesized extracellular matrix.
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 Cytometry - APC/Cy7® Anti-Integrin alpha 2 antibody [DX5] (ab46795)

FACS analysis of B6 splenocytes, doublestained with rat anti-mouse CD49b (integrin alpha 2)-APC/Cy7 (ab46795) at 0.2 μ l/ 10^6 cells and CD3-FITC.

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

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors