

Product datasheet

PE Anti-Integrin alpha 2 antibody [DX5] ab25493

[1 References](#) [1 Image](#)

Overview

Product name	PE Anti-Integrin alpha 2 antibody [DX5]
Description	PE Rat monoclonal [DX5] to Integrin alpha 2
Host species	Rat
Conjugation	PE. Ex: 488nm, Em: 575nm
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

NK cells cultured in the presence of IL2 progressively lose reactivity with DX5 as a consequence of cellular proliferation. Therefore, DX5 can be used to define functionally distinct subsets of murine NK cells. DX5 has not been demonstrated to have activating or blocking activity.

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.

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

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C. Store In the Dark.
Storage buffer	pH: 7.3 Preservative: 0.09% Sodium azide Constituents: PBS, 16% Sucrose Also contains a stabilizing agent.
Purity	Purified IgM

Primary antibody notes	NK cells cultured in the presence of IL2 progressively lose reactivity with DX5 as a consequence of cellular proliferation. Therefore, DX5 can be used to define functionally distinct subsets of murine NK cells. DX5 has not been demonstrated to have activating or blocking activity.
Clonality	Monoclonal
Clone number	DX5
Myeloma	Sp2/0
Isotype	IgM
Light chain type	kappa

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab25493 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

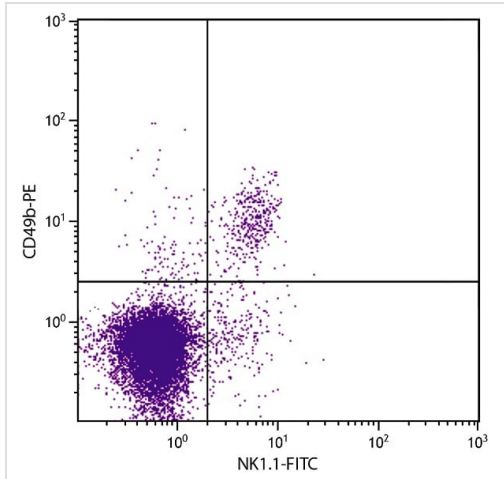
Application	Abreviews	Notes
Flow Cyt		Use 0.2µg for 10 ⁶ cells. ab25493 can be used to define functionally distinct subsets of murine NK cells.

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 analysis of C57BL/6 mouse splenocytes stained with Anti-Integrin alpha 2 antibody [DX5] (Phycoerythrin) (ab25493) and mouse anti-mouse NK1.1-FITC.

Flow Cytometry - PE Anti-Integrin alpha 2 antibody [DX5] (ab25493)

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