

Product datasheet

Anti-Integrin alpha 2 antibody [DX5] (Phycoerythrin) ab25493

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

Overview

Product name	Anti-Integrin alpha 2 antibody [DX5] (Phycoerythrin)
Description	Rat monoclonal [DX5] to Integrin alpha 2 (Phycoerythrin)
Host species	Rat
Conjugation	Phycoerythrin. Ex: 488nm, Em: 575nm
Specificity	ab25493 recognises integrin alpha 2.
Tested applications	Suitable for: Flow Cyt Unsuitable for: IHC-Fr or IHC-P
Species reactivity	Reacts with: Mouse
Immunogen	Tissue/ cell preparation: RIL 2 propagated NK1.1 positive cells 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.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C.
Storage buffer	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

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

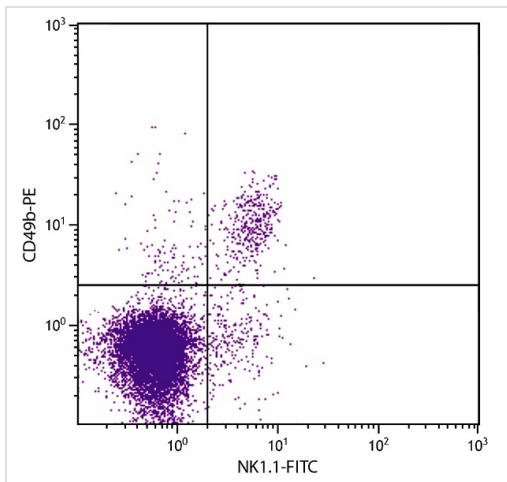
Function Integrin alpha-2/beta-1 is a receptor for laminin, collagen, collagen C-propeptides, fibronectin and E-cadherin. It recognizes the proline-hydroxylated sequence G-F-P-G-E-R in collagen. It is responsible for adhesion of platelets and other cells to collagens, modulation of collagen and collagenase 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 - Anti-Integrin alpha 2 antibody [DX5] (Phycoerythrin) (ab25493)

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