

CD49b (Integrin alpha 2) Monoclonal Antibody (DX5), APC, eBioscience™

Product Details	
Size	50 µg
Species Reactivity	Mouse
Published Species	Mouse
Host/Isotype	Rat / IgM, kappa
Recommended Isotype Control	Rat IgM Isotype Control (eBRM), APC, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	DX5
Conjugate	APC
Excitation/Emission Max	651/660 nm
Form	Liquid
Concentration	0.2 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2
Contains	0.09% sodium azide
Storage conditions	4°C, store in dark, DO NOT FREEZE!
RRID	AB_469484

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	1 µg/test	54 Publications

Product Specific Information

Description: The DX5 monoclonal antibody reacts with CD49b, an antigen expressed on a majority of mouse natural killer cells and a subset of T cells. DX5 reacts with all strains of mouse tested including the most commonly used strains, BALB/c, C57BL/6, C3H, CBA, DBA, AKR, SJL and 129. Simultaneous staining of C57BL/6 spleen cells with anti-NK1.1 mAb (PK136) and DX5 reveals coexpression of both markers by a majority of cells as well as presence of small populations of DX5+PK136- and DX5-PK136+ cells.

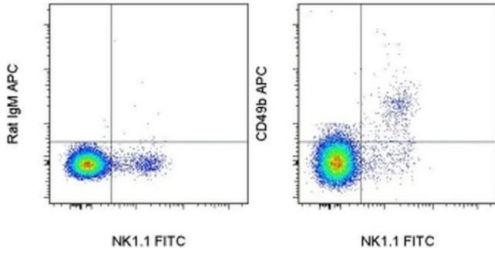
Applications Reported: The DX5 antibody has been reported for use in flow cytometric analysis.

Applications Tested: The DX5 antibody has been tested by flow cytometric analysis of mouse splenocytes. This can be used at less than or equal to 1 µg per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined empirically but can range from 10⁵ to 10⁸ cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

Excitation: 633-647 nm; **Emission:** 660 nm; **Laser:** Red Laser.

Filtration: 0.2 µm post-manufacturing filtered.

Product Images For CD49b (Integrin alpha 2) Monoclonal Antibody (DX5), APC, eBioscience™



CD49b (Integrin alpha 2) Antibody (17-5971-81) in Flow

Staining of C57Bl/6 splenocytes with Anti-Mouse NK1.1 FITC (Product # 11-5941-82) and 0.5 µg of Rat IgM Isotype Control APC (Product # 17-4341-82) (left) or 0.5 µg of Anti-Mouse CD49b (Integrin alpha 2) APC (right). Cells in the lymphocyte gate were used for analysis.

[View more figures on thermofisher.cn](#)

54 References

Flow Cytometry (54)

Nature communications

Perinatal murine cytomegalovirus infection reshapes the transcriptional profile and functionality of NK cells.

"Published figure using CD49b (Integrin alpha 2) monoclonal antibody (Product # 17-5971-82) in Flow Cytometry"

Authors: Rožmani C, Lisni B, Pribani Mateši M, Mihali A, Hiršl L, Park E, Lesac Brizi A, Indenbirken D, Viduka I, Šanti M, Adler B, Yokoyama WM, Krmpoti A, Jurani Lisni V, Jonji S, Brizi I

Year
2023

Cell reports

GM-CSF production by non-classical monocytes controls antagonistic LPS-driven functions in allergic inflammation.

"17-5971-82 was used in Flow cytometry/Cell sorting to show here that lipopolysaccharide activity switches from pro-pathogenic to protective depending on the production of granulocyte-macrophage colony-stimulating factor by non-classical monocytes."

Authors: Kaur K, Bachus H, Lewis C, Papillion AM, Rosenberg AF, Ballesteros-Tato A, León B

Year
2021

Species
Mouse

[View more Flow references on thermofisher.cn](#)

More applications with references on thermofisher.cn

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