

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

Product Details	
Size	100 µg
Species Reactivity	Mouse
Published Species	Mouse
Host/Isotype	Rat / IgM, kappa
Recommended Isotype Control	Rat IgM Isotype Control (eBRM), PE, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	DX5
Conjugate	PE
Form	Liquid
Concentration	0.2 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2, with 0.1% gelatin
Contains	0.09% sodium azide
Storage Conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_466073

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	0.5 µg/test	51 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.

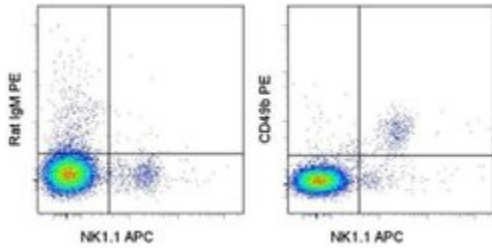
Applications Reported: The DX5 antibody has been reported for use in flow cytometric analysis.

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 0.5 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: 488-561 nm; Emission: 578 nm; Laser: Blue Laser, Green Laser, Yellow-Green Laser.

Filtration: 0.2 µm post-manufacturing filtered.

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



CD49b (Integrin alpha 2) Antibody (12-5971-82) in Flow

Staining of C57Bl/6 splenocytes with Anti-Mouse NK1.1 APC (Product # 17-5941-82) and 0.25 µg of Rat IgM Isotype Control PE (Product # 12-4341-82) (left) or 0.25 µg of Anti-Mouse CD49b (Integrin alpha 2) PE (right). Total viable cells were used for analysis.

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

51 References

Flow Cytometry (51)

Cellular and molecular immunology

The breast tumor microenvironment alters the phenotype and function of natural killer cells.

"Published figure using CD49b (Integrin alpha 2) monoclonal antibody (Product # 12-5971-82) in Flow Cytometry"

Authors: Krneta T,Gillgrass A,Chew M,Ashkar AA

Species
Not Applicable

Dilution
Not Cited

Year
2016

Oncotarget

Taxanes enhance trastuzumab-mediated ADCC on tumor cells through NKG2D-mediated NK cell recognition.

"12-5971 was used in Flow cytometry/Cell sorting to indicate that taxanes increase tumor susceptibility to ADCC by acting on tumor and NK cells."

Authors: Di Modica M,Sfondrini L,Regondi V,Varchetta S,Oliviero B,Mariani G,Bianchi GV,Generali D,Balsari A,Triulzi T, Tagliabue E

Species
Mouse

Dilution
Not Cited

Year
2016

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

More applications with references on thermofisher.com

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