

CD49b (Integrin alpha 2) Monoclonal Antibody (DX5), eFluor 506, eBioscience™

Product Details	
Size	100 µg
Species Reactivity	Mouse
Host/Isotype	Rat / IgM, kappa
Class	Monoclonal
Type	Antibody
Clone	DX5
Conjugate	eFluor® 506
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_2637292

Applications	Tested Dilution	Publications
Immunofluorescence (IF)	-	1 Publication
Flow Cytometry (Flow)	1 µg/test	1 Publication

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: This DX5 antibody has been reported for use in flow cytometric analysis.

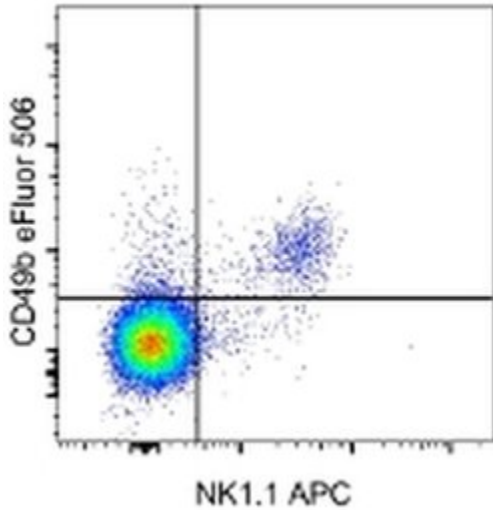
Applications Tested: This DX5 antibody has been tested by flow cytometric analysis of mouse splenocytes. This can be used at less than or equal to 1 µg per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined 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.

eFluor® 506 can be excited with the violet laser line (405 nm) and emits at 506 nm. We recommend using a 510/20 band pass filter, or equivalent. Please make sure that your instrument is capable of detecting this fluorochrome.

Excitation: 405 nm; Emission: 506 nm; Laser: Violet Laser.

Filtration: 0.2 µm post-manufacturing filtered.

Product Images For CD49b (Integrin alpha 2) Monoclonal Antibody (DX5), eFluor 506, eBioscience™



CD49b (Integrin alpha 2) Antibody (69-5971-82) in Flow

Staining of C57Bl/6 splenocytes with Anti-Mouse NK1.1 APC (Product # 17-5941-82) and 0.5 µg of Anti-Mouse CD49b (Integrin alpha 2) eFluor® 506 (right). Cells in the lymphocyte gate were used for analysis.

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

2 References

Immunofluorescence (1)

Breast cancer research : BCR

Evidence for a multipotent mammary progenitor with pregnancy-specific activity.

"Published figure using CD49b (Integrin alpha 2) monoclonal antibody (Product # 69-5971-82) in Immunofluorescence"

Authors: Kaanta AS, Virtanen C, Selfors LM, Brugge JS, Neel BG

Species

Not Applicable

Dilution

Not Cited

Year

2014

Flow Cytometry (1)

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 # 69-5971-82) in Flow Cytometry"

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

Species

Not Applicable

Dilution

Not Cited

Year

2016

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