

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

Product Details	
Size	500 µg
Species reactivity	Mouse
Published species	Mouse
Host / Isotype	Rat / IgM, kappa
Class	Monoclonal
Type	Antibody
Clone	DX5
Conjugate	Unconjugated
Form	Liquid
Concentration	0.5 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2
Contains	0.09% sodium azide
Storage conditions	4°C
RRID	AB_467767

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	0.5 µg/test	53 Publications
Functional Assay (Functional)	-	1 Publication
Immunocytochemistry (ICC/IF)	-	1 Publication
Immunohistochemistry (IHC)	-	1 Publication
Immunohistochemistry (Frozen) (IHC (F))	-	1 Publication
Immunohistochemistry (Paraffin) (IHC (P))	-	1 Publication
Miscellaneous Pubmed (Misc)	-	2 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. This antibody does not block adhesion and function of NK cells, and is not useful for immunoprecipitation and immunohistochemical staining of mouse tissues.

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 10⁴ to 10⁸ cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

Purity: Greater than 90%, as determined by SDS-PAGE.

Aggregation: Less than 10%, as determined by HPLC.

Filtration: 0.2 µm post-manufacturing filtered.

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