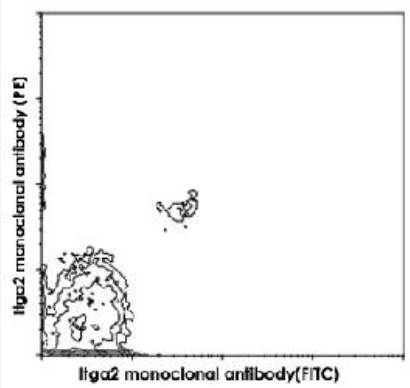
Itga2 monoclonal antibody, clone DX5 (Biotin)

Catalog # MAB5781 Size 500 ug

Applications



Flow Cytometry

Splenocytes from a C57BL/6 SCID mouse were double-stained with Itga2 monoclonal antibody, clone DX5 (FITC) (Cat # MAB5780) and Itga2 monoclonal antibody, clone DX5 (PE) (Cat # MAB5782). Lymphocytes were gated using light scatter criteria and analyzed on a FACScan™ flow cytometer (BDIS, San Jose, CA).

Specification

Product Description	Rat monoclonal antibody raised against Itga2.
Immunogen	RIL-2-propagated NK1.1+ cells from C57BL/6 mice.
Host	Rat
Reactivity	Mouse
Specificity	Mouse CD49b, Mr 160-KDa. The DX5 antibody is not suitable for immunohistochemical staining of e ither frozen or paraffin sections.
Form	Liquid
Conjugation	Biotin
Isotype	IgM, kappa
Recommend Usage	Flow Cytometry (1 ug/10^6 cells) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% sodium azide)

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Storage Instruction	Store in the dark at 4°C. Do not freeze. Avoid prolonged exposure to light. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Flow Cytometry

  Splenocytes from a C57BL/6 SCID mouse were double-stained with Itga2 monoclonal antibody, clone DX5 (FITC) (Cat # MAB5780) and Itga2 monoclonal antibody, clone DX5 (PE) (Cat # MAB5782). Lymphocytes were gated using light scatter criteria and analyzed on a FACScan™ flow cytometer (BDIS, San Jose, CA).

Gene Info — Itga2

Entrez GeneID	16398
Gene Name	Itga2
Gene Alias	CD49B, DX5
Gene Description	integrin alpha 2
Gene Ontology	Hyperlink
Gene Summary	alpha 2 subunit
Other Designations	VLA-2 receptor, alpha 2 subunit

Publication Reference

- Cutting edge: the mouse NK cell-associated antigen recognized by DX5 monoclonal antibody is CD49b (alpha 2 integrin, very late antigen-2).

  Arase H, Saito T, Phillips JH, Lanier LL.

  Journal of Immunology 2001 Aug; 167(3):1141.

  Application: Flow Cyt, Mouse , Mouse NK cells

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- Inhibition of gamma delta T cell development and early thymocyte maturation in IL-7 -/- mice.

  Moore TA, von Freeden-Jeffry U, Murray R, Zlotnik A.

  Journal of Immunology 1996 Sep; 157(6):2366.

  Application: Flow Cyt, Mouse, Nature killer cells

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