CD24 monoclonal antibody, clone SN3 (FITC)

Catalog # MAB4394 Size 100 Reactions

Specification

Product Description	Mouse monoclonal antibody raised against CD24.
Immunogen	Human CD24.
Host	Mouse
Theoretical MW (kDa)	35-45
Reactivity	Human
Specificity	This antibody reacts with CD24, a 35-45 KDa heavily glycosylated cell surface antigen. CD24 is expr essed by granulocytes, B lymphocytes and by some activated T cells and T cell malignancies. It is not expressed on human thymocytes.
Form	Liquid
Conjugation	FITC
Isotype	IgG1
Recommend Usage	Flow Cytometry (20 ul in human blood cells 100 ul in whole blood or 10^6 cells in a suspension) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.2% BSA, 0.09% sodium azide)
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

- Immunohistochemistry (Frozen sections)

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- Flow Cytometry

Gene Info — CD24

Entrez GeneID	100133941
Gene Name	CD24
Gene Alias	CD24A, FLJ22950, FLJ43543, MGC75043
Gene Description	CD24 molecule
Gene Ontology	Hyperlink
Other Designations	CD24 antigen|CD24 antigen (small cell lung carcinoma cluster 4 antigen)

Publication Reference

- The human fetal omentum: a site of B cell generation.

  Solvason N, Kearney JF.

  The Journal of Experimental Medicine 1992 Feb; 175(2):397.

- Signal transduction in lymphocytic and myeloid cells via CD24, a new member of phosphoinositol-anchored membrane molecules.

  Fischer GF, Majdic O, Gadd S, Knapp W.

  Journal of Immunology 1990 Jan; 144(2):638.

  Application: Flow Cyt, Func, Human, Human B lymphocytes, Human granulocytes

- New monoclonal antibodies SN3, SN3a, and SN3b directed to sialic acid of glycoprotein on human non-T leukemia cells.

  Fukukawa T, Matsuzaki H, Haruta Y, Hara H, Seon BK.

  Exp Hematol 1986 Oct; 14(9):850.

Disease

- Disease Progression
- Genetic Predisposition to Disease

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- Lupus Erythematosus
- Multiple Sclerosis
- Ovarian Neoplasms
- Sarcoidosis

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