

Purified anti-human CD1b

Catalog # / Size: 329101 / 25 µg
329102 / 100 µg

Clone: SN13 (K5-1B8)

Isotype: Mouse IgG1, κ

Immunogen: Membrane antigen preparation of human thymocytes

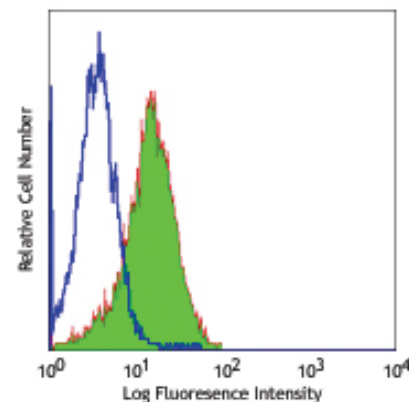
Reactivity: Human

Preparation: The antibody was purified by affinity chromatography.

Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.

Concentration: 0.5 mg/ml

Storage: The antibody solution should be stored undiluted at 4°C.



Human T-lymphoblastic leukemia cell line Molt-4 stained with purified SN13, followed by anti-mouse IgG FITC

Applications:

Applications: FC - *Quality tested*
IP, IF - *Reported in the literature*

Recommended Usage: Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For immunofluorescent staining, the suggested use of this reagent is ≤ 0.5 µg per 10^6 cells in 100 µl volume or 100 µl of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.

Application References: 1. Hayes SM, *et al.* 2001. *J. Immunol.* 166:403. (IF)
2. Martin LH, *et al.* 1987. *P. Natl. Acad. Sci. USA* 84:918993. (IF)

Description: CD1b is a 43 kD member of the immunoglobulin superfamily also known as R1. It is a type I membrane glycoprotein with structural similarities to MHC class I and is non-covalently associated with β2-microglobulin. In humans, CD1 family consists of group I proteins (CD1a, CD1b, CD1c), group II (CD1d), and group III (CD1e). CD1b plays a role in non-peptide glycolipid antigen presentation to CD1-restricted T cells. It is expressed on cortical double positive and single positive thymocytes, Langerhans cells, and dendritic cells. In addition to antigen presentation, CD1b has been implicated in thymic T cell development.

Antigen References: 1. Porcelli S, *et al.* 1992. *Nature* 360:5937.
2. Giuliani A, *et al.* 2001. *Infect. Immun.* 69:746170.

Related Products:

Product	Clone	Application
Biotin Goat anti-mouse IgG (minimal x-reactivity)	Poly4053	FC, ELISA, IHC, IF, WB
FITC Goat anti-mouse IgG (minimal x-reactivity)	Poly4053	FC
PE Goat anti-mouse IgG (minimal x-reactivity)	Poly4053	FC
Cell Staining Buffer		FC, ICC, ICFC
RBC Lysis Buffer (10X)		FC, ICFC
Purified Mouse IgG1, κ Isotype Ctrl	MG1-45	FC, ICC, ICFC, IF, IHC, IP, WB



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