

FITC anti-human CD1b

Catalog # / Size: 329105 / 25 tests
329106 / 100 tests

Clone: SN13 (K5-1B8)

Isotype: Mouse IgG1, κ

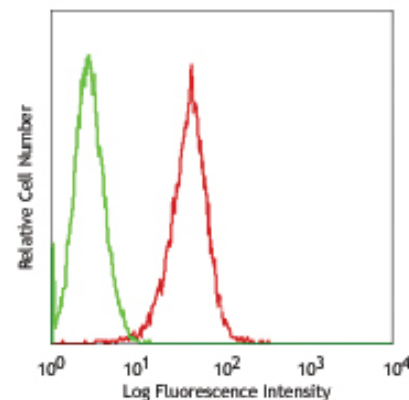
Immunogen: Membrane antigen preparation of human thymocytes

Reactivity: Human

Preparation: The antibody was purified by affinity chromatography, and conjugated with FITC under optimal conditions. The solution is free of unconjugated FITC.

Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 0.2% (w/v) BSA (origin USA).

Storage: The antibody solution should be stored undiluted at 4°C and protected from prolonged exposure to light. **Do not freeze.**



Human T lymphoblastic leukemia cell line, Molt-4, stained with SN13 (K5-1B8) FITC

Applications:

Applications: FC - Quality tested

Recommended Usage: Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. **Test size products are transitioning from 20 μ l to 5 μ l per test.** Please check your vial or your CoA to find the suggested use of this reagent per million cells in 100 μ l staining volume or per 100 μ l of whole blood. It is recommended that the reagent be titrated for optimal performance for each application. Read more at www.biolegend.com/testsize regarding the test size change.

Application References:

- Hayes SM, et al. 2001. J Immunol. 166:403.
- Martin LH, et al. 1987. Proc Natl Acad Sci USA. 84:918993.

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 β 2-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:

- Porcelli S, et al. 1992. Nature 360:5937.
- Giuliani A, et al. 2001. Infect Immun. 69:746170.

Related Products:

Product

Cell Staining Buffer

FITC Mouse IgG1, κ Isotype Ctrl (FC)

Human TruStain FcX™ (Fc Receptor Blocking Solution)

Clone

MOPC-21

Application

FC, ICC, ICFC

FC

FC, ICC, ICFC



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