

PE anti-human CD104

Catalog # / Size: 327807 / 25 tests
327808 / 100 tests

Clone: 58XB4

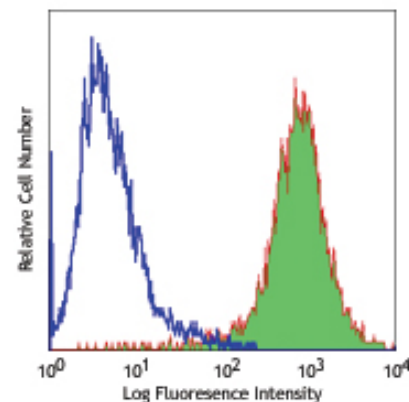
Isotype: Mouse IgG2a, κ

Reactivity: Human

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

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 colon carcinoma cell line
HT29 stained with 58XB4 PE

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 Notes: Additional reported (for the relevant formats) applications include: immunohistochemical staining of acetone-fixed frozen sections, immunoprecipitation, and ELISA.

Description: CD104 is a 205 kD type I transmembrane glycoprotein, known as integrin β 4 chain or β 4 integrin, that associates with integrin α 6 (CD49f) forms α 6/ β 4 (CD49f/CD104) heterodimer. CD104 is expressed on epithelial cells (especially on the proliferative basal layer epithelial cells in skin), endothelial cells, Schwann cells, certain tumor cells and a subset of pre-T cells. CD49f/CD104 is an adhesion receptor for laminins (especially laminin 5) and keratin filaments and is involved in the regulation of hemidesmosome formation and of cell proliferation and activation.

Antigen References: 1. Kippenberger S, *et al.* 2004. *J. Invest. Dermatol.* 123:444.
2. Zola H, *et al.* 2007. *Leukocyte and Stromal Cell Molecules: The CD Markers* Wiley-Liss A John Wiley & Sons Inc, Publication

Related Products:	Product	Clone	Application
	Cell Staining Buffer		FC, ICC, ICFC
	RBC Lysis Buffer (10X)		FC, ICFC
	PE Mouse IgG2a, κ Isotype Ctrl (FC)	MOPC-173	FC
	Human TruStain FcX™ (Fc Receptor Blocking Solution)		FC, ICC, ICFC



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