

Product Data Sheet

Purified anti-human CD104

Catalog # / Size: 327802 / 100 µg

Clone: 58XB4

Isotype: Mouse IgG2a, κ

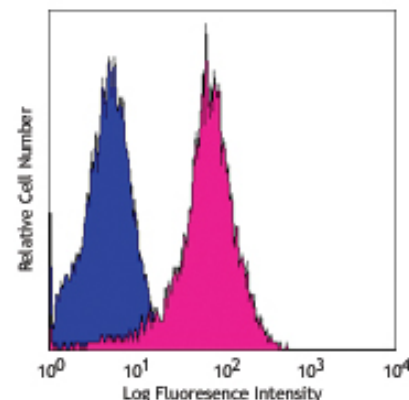
Reactivity: Human

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 colon carcinoma cell line (HT29) stained with purified 58XB4, followed by anti-mouse IgG FITC

Applications:

Applications: FC - *Quality tested*
 IP, ELISA - *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 ≤2.0 µg per million cells in 100 µl volume. It is recommended that the reagent be titrated for optimal performance for each application.

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 β4 chain or β4 integrin, that associates with integrin α6 (CD49f) forms α6/β4 (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
 APC Goat anti-mouse IgG (minimal x-reactivity)
 HRP Goat anti-mouse IgG (minimal x-reactivity)
 Purified Mouse IgG2a, κ Isotype Ctrl
 PE Goat anti-mouse IgG (minimal x-reactivity)
 Cell Staining Buffer
 RBC Lysis Buffer (10X)

Clone
 Poly4053
 Poly4053
 MOPC-173
 Poly4053

Application
 FC
 ELISA, IHC, WB
 FC, ICC, IF, IHC, IP, WB
 FC
 FC, ICC, ICFC
 FC, ICFC



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