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Product Data Sheet

FITC anti-mouse CD104

Catalog # / Size: 123605 / 50 µg
123606 / 500 µg

Clone: 346-11A

Isotype: Rat IgG2a, κ

Immunogen: Tumor-associated antigen TSP-180 from BALB/c lung carcinoma

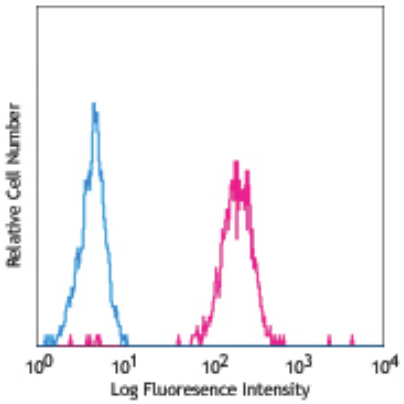
Reactivity: Mouse

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.

Concentration: 0.5 mg/ml

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



Cell Line I stained with 346-11A FITC

Applications:

Applications: FC - *Quality tested*

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 ≤1.0 µg per million cells in 100 µl volume. It is recommended that the reagent be titrated for optimal performance for each application.

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. Kennel SJ, *et al.* 1992. *J. Cell Sciences* 101:1992.
2. Kennel SJ, *et al.* 1989. *J Bio Chem* 264 :15515.
3. Sonnenberg A, *et al.* 1990. *J Cell Sciences* 96 :207.

Related Products:

Product	Clone	Application
Cell Staining Buffer		FC, ICC, ICFC
FITC Rat IgG2a, κ Isotype Ctrl	RTK2758	FC, ICFC
TruStain fcX™ (anti-mouse CD16/32)	93	FC

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