

Product Data Sheet

Purified anti-mouse CD104

Catalog # / Size: 123602 / 500 µg

Clone: 346-11A

Isotype: Rat IgG2a, κ

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

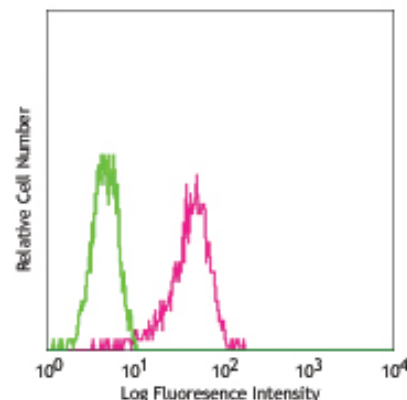
Reactivity: Mouse

Preparation: The antibody was purified by affinity chromatography.

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.



Cell Line I stained with LEAF™ purified 346-11A, followed by anti-rat 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 ≤0.25 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 α6β4 (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.

Related Products:

Product
Cell Staining Buffer
Purified Rat IgG2a, κ Isotype Ctrl

Clone

RTK2758

Application

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



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