

ABflo® 488 anti-Mouse/Rat CD29/Integrin-β1 mAb

Catalog No.: A28619

Basic Information

Observed MW

Calculated MW

88 kDa

Category

Primary antibody

Applications

FC

Cross-Reactivity

Mouse,Rat

CloneNo number

ACC0005

Conjugate

ABflo® 488. Ex:491nm. Em:516nm.

Recommended Dilutions

FC ≤0.5 µg per million cells
in 100 µl volume

Background

CD29 is a 130 kDa protein, also known as integrin beta 1, the VLA-beta chain, or GPIIa. As a member of the integrin family, it is widely expressed on leukocytes, endothelial cells, smooth muscle, and epithelial cells. CD29 associates with CD49a-f to form the VLA-1 through VLA-6 complexes, respectively. It plays a crucial role in cell-cell and cell-matrix interactions. The HMβ1-1 antibody reacts with both mouse and rat CD29. It is capable of blocking cell adhesion and inhibiting T-cell proliferation.

Immunogen Information

Gene ID

16412,24511

Swiss Prot

P09055,P49134

Immunogen

Recombinant protein (or fragment).This information is considered to be commercially sensitive.

Synonyms

CD29; Fnrb; gpIIa; Gm9863; 4633401G24Rik

Contact

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Product Information

Source

Armenian Hamster

Isotype

IgG

Purification

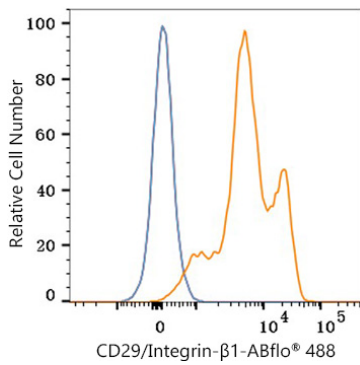
Affinity purification

Storage

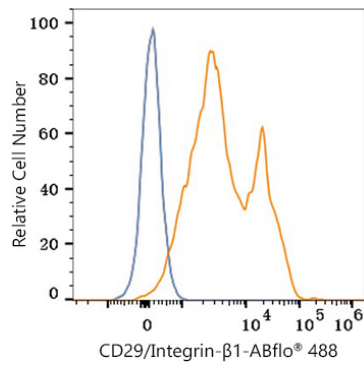
Store at 2-8°C. Avoid freeze.

Buffer: PBS with 0.09% Sodium azide,0.2% BSA,pH7.3.

Validation Data



Flow cytometry: 1×10^6 C57BL/6 mouse bone marrow cells were surface-stained with ABflo® 488 anti-Mouse/Rat CD29/Integrin-β1 mAb (A28619, 0.5 μg, orange line) or ABflo® 488 Armenian Hamster IgG isotype control (5 μl/Test, blue line). Non-fluorescently stained cells were used as blank control (red line).



Flow cytometry: 1×10^6 SD rat bone marrow cells were surface-stained with ABflo® 488 anti-Mouse/Rat CD29/Integrin-β1 mAb (A28619, 0.5 μg, orange line) or ABflo® 488 Armenian Hamster IgG isotype control (5 μl/Test, blue line). Non-fluorescently stained cells were used as blank control (red line).