

ABflo® 647 Mouse anti-Mouse/Rat CD90.1 mAb

Catalog No.: A27828

Basic Information

Observed MW

Calculated MW

Category

Primary antibody

Applications

FC

Cross-Reactivity

Mouse, Rat

CloneNo number

AMC0834

Conjugate

ABflo® 647. Ex:648nm. Em:664nm.

Background

CD90.1, also known as Thy1.1, is a glycoprotein and member of the immunoglobulin superfamily (IgSF) that serves as a critical cell surface marker with broad applications in stem cell biology, immunology, and neuroscience. Initially characterized as a T cell marker, subsequent studies have demonstrated its widespread expression across diverse cell lineages, including neurons, fibroblasts, stem cells (e.g., hepatic progenitor cells), and specific immune cell subsets.

Recommended Dilutions

FC ≤0.5 µg per million cells in
100 µl volume

Immunogen Information

Gene ID

21838

Swiss Prot

P01831

Immunogen

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

Synonyms

T25; CD90; Thy-1; Thy1.1; Thy1.2; Thy-1.2

Contact

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Product Information

Source

Mouse

Isotype

IgG1, κ

Purification

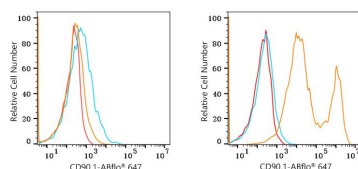
Affinity purification

Storage

Store at 2-8°C. Avoid freeze.

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

Validation Data



Flow cytometry: 1X10⁶ 293T-90.2 (Transfection,left) cells and 293T-90.1 (Transfection,right) cells were surface-stained with ABflo® 647 Mouse anti-Mouse/Rat CD90.1 mAb (A27828,0.5 µg,orange line) or ABflo® 647 Mouse IgG1 isotype control (5 µl/Test,blue line). Non-fluorescently stained cells were used as blank control (red line).