

Purified Anti-Mouse CD90 Antibody[M5/49.4.1]

catalog number: E-AB-F1283A

Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

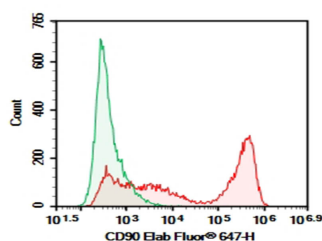
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|---------------------|--|
| Reactivity | Mouse |
| Immunogen | Recombinant Mouse CD90 protein |
| Host | Rat |
| Isotype | Rat IgG2a, κ |
| Clone | M5/49.4.1 |
| Purification | >98%, Protein A/G purified |
| Conjugation | Unconjugated |
| Buffer | PBS, pH 7.2. Contains 0.05% proclin 300. |

Applications

Recommended Dilution

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|------------|---|
| FCM | 2 $\mu\text{g/mL}$ (0.5×10^6 - 1×10^6 cells) |
|------------|---|

Data



C57/BL6 Mouse splenocytes were stained with 0.2 μg Purified Anti-Mouse CD90 Antibody[M5/49.4.1] (Right) and 0.2 μg Rat IgG2a, κ Isotype Control (Left), followed by Elab Fluor® 647-conjugated Goat Anti-Rat IgG Secondary Antibody.

Preparation & Storage

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| Storage | Store at 4°C valid for 12 months or -20°C valid for long term storage, avoid freeze / thaw cycles. |
| Shipping | Ice bag |

Background

CD90, also known as Thy-1, is a 28-30 kD GPI-linked membrane glycoprotein. It is a member of the immunoglobulin superfamily and has been shown to interact with CD45 in signal transduction during lymphocyte proliferation and differentiation. CD90 is expressed on hematopoietic stem cells, neurons, thymocytes, peripheral T cells, fibroblasts, stromal cells.