

# 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

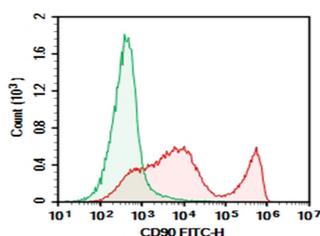
|                    |  |
|--------------------|--|
| <b>Reactivity</b>  | Mouse                                    |
| <b>Host</b>        | Rat                                      |
| <b>Isotype</b>     | Rat IgG2a, $\kappa$                      |
| <b>Clone</b>       | M5/49.4.1                                |
| <b>Conjugation</b> | Unconjugated                             |
| <b>buffer</b>      | PBS, pH 7.2. Contains 0.05% proclin 300. |

## Applications

## Recommended Dilution

|            |  |
|------------|--|
| <b>FCM</b> | 2 $\mu\text{g}/\text{mL}$ ( $1 \times 10^5$ - $5 \times 10^5$ cells) |
|------------|--|

## Data



C57/BL6 Mouse splenocytes were stained with 0.2  $\mu\text{g}$  Purified Anti-Mouse CD90 Antibody[M5/49.4.1] (Right) and 0.2  $\mu\text{g}$  Rat IgG2a,  $\kappa$  Isotype Control (Left), followed by FITC-conjugated Goat Anti-Rat IgG Secondary Antibody.

## Preparation & Storage

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

## Background

The M5/49.4.1 monoclonal antibody reacts with mouse Thy1 also known as CD90. Thy1 is a 25-35 kDa GPI-anchored protein belonging to the Ig superfamily that is expressed by thymocytes, peripheral T cells, myoblasts, epidermal cells, and keratinocytes. The function of Thy1 has not been fully elucidated but is thought to play roles in regulation of cell adhesion, apoptosis, metastasis, inflammation, and fibrosis. This antibody is particularly useful for depletion of T lymphocytes.

## For Research Use Only