

## FITC Anti-Mouse CD90 Antibody[M5/49.4.1]

Catalog Number: E-AB-F1283UC

**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 No.</b>	M5/49.4.1
<b>Isotype Control</b>	FITC Rat IgG2a, $\kappa$ Isotype Control[2A3] [Product E-AB-F09833C]
<b>Conjugation</b>	FITC
<b>Conjugation Information</b>	FITC is designed to be excited by the Blue laser (488 nm) and detected using an optical filter centered near 530 nm (e.g., a 525/40 nm bandpass filter).
<b>Storage Buffer</b>	Phosphate buffered solution, pH 7.2, containing 0.09% sodium azide and 1% BSA.

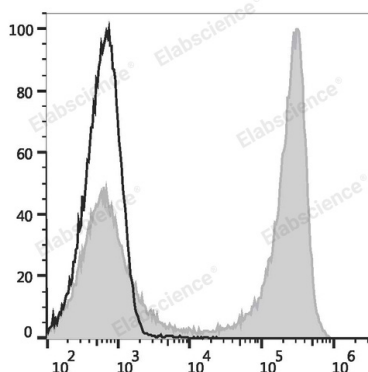
### Applications

### Recommended usage

#### FCM

Each lot of this antibody is quality control tested by flow cytometric analysis. Please check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for individual use. We suggest each investigator should titrate the reagent to obtain optimal results [The recommended concentration is 0.1-1  $\mu\text{g}/10^6$  cells in 100  $\mu\text{L}$  volume].

### Data



C57BL/6 murine splenocytes are stained with FITC Anti-Mouse CD90 Antibody (filled gray histogram) or FITC Rat IgG2a,  $\kappa$  Isotype Control (empty black histogram).

### Preparation & Storage

<b>Storage</b>	Keep as concentrated solution. This product can be stored at 2-8°C for 12 months. Please protected from prolonged exposure to light and do not freeze.
<b>Shipping</b>	Ice bag

### Antigen Information

<b>Alternate Names</b>	Thy-1;Thy1
<b>Uniprot ID</b>	P01831
<b>Gene ID</b>	21838

### For Research Use Only

## 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.