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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

Reactivity Mouse Host Rat

Isotype Rat IgG2a, κ
Clone No. M5/49.4.1

Isotype Control FITC Rat IgG2a, κ Isotype Control[2A3] [Product E-AB-F09833C]

Conjugation FITC

Conjugation Information 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).

Storage Buffer Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer.

Applications Recommended usage

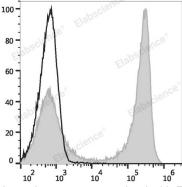
FCM Each lot of this antibody is quality control tested by flow cytometric analysis. Please

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 μ g/10⁶ cells in 100 μ g/10⁸ cells

in 100 µL volume].

Data



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

Preparation & Storage

Storage 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.

Shipping Ice bag

Antigen Information

 Alternate Names
 Thy-1;Thy1

 Uniprot ID
 P01831

 Gene ID
 21838

For Research Use Only

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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 lg 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.

Fax: 1-832-243-6017 Toll-free: 1-888-852-8623 Tel: 1-832-243-6086 Email:techsupport@elabscience.com Web:www.elabscience.com