

A Reliable Research Partner in Life Science and Medicine

Elab Fluor® 700 Anti-Mouse CD90 Antibody[M5/49.4.1]

Catalog Number: E-AB-F1283UM1

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 Elab Fluor® 700 Rat IgG2a, κ Isotype Control[2A3] [Product E-AB-F09833M1]

Conjugation Elab Fluor® 700

Conjugation Information Elab Fluor® 700 is designed to be excited by the Red laser (627-640 nm) and detected

using an optical filter centered near 719 nm (e.g., a 725/40 nm bandpass filter).

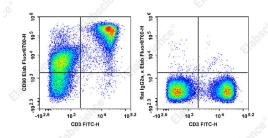
Storage Buffer Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer.

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 L volume].

Data



Staining of C57BL/6 murine splenocytes with FITC Anti-

Mouse CD3 Antibody[17A2] andElab Fluor[®] 700 Anti-Mouse CD90 Antibody[M5/49.4.1](left) orElab Fluor[®] 700 Rat IgG2a, κ Isotype Control(right).Total viable cells were used for analysis.

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.

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