

A Reliable Research Partner in Life Science and Medicine

Elab Fluor® 647 Anti-Mouse H-2 Antibody[M1/42]

Catalog Number: E-AB-F1216UM

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

Description

Reactivity Mouse Host Rat

Isotype Rat IgG2a, κ
Clone No. M1/42

Isotype Control Elab Fluor® 647 Rat IgG2a, κ Isotype Control[2A3] [Product E-AB-F09833M]

Conjugation Elab Fluor® 647

Conjugation Information Elab Fluor[®] 647 is designed to be excited by the Red laser (627-640 nm) and detected

using an optical filter centered near 670 nm (e.g., a 660/20 nm bandpass filter).

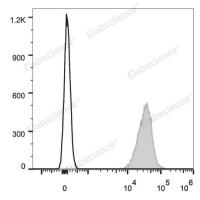
Storage Buffer Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer.

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



C57BL/6 murine splenocytes are stained with Elab Fluor® 647 Anti-Mouse H-2 Antibody (filled gray histogram).

Unstained splenocytes (empty black histogram) are used as control.

Preparation & Storage

Storage Keep as concentrated solution.

This product can be stored at 2-8°C for 12 months. Please protected from prolonged

Rev. V1.8

exposure to light and do not freeze.

Shipping Ice bag

Antigen Information

Alternate Names MHC I; Mouse major histocompatibility complex (MHC) H-2

 Uniprot ID
 P06345

 Gene ID
 111364

For Research Use Only

 Toll-free: 1-888-852-8623
 Tel: 1-832-243-6086
 Fax: 1-832-243-6017

 Web:www.elabscience.com
 Email:techsupport@elabscience.com

Elabscience Bionovation Inc.



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Background

The M1/42 antibody reacts with the H-2 MHC class I alloantigens expressed on nucleated cells from mice of the a, b, d, j, k, s, and u haplotypes (Stallcup, KC et al, 1981). MHC class I is involved in antigen presentation to T cells expressing CD3/TCR and CD8 proteins.