

A Reliable Research Partner in Life Science and Medicine

# Elab Fluor® 700 Anti-Mouse H-2 Antibody[M1/42]

Catalog Number: E-AB-F1216UM1

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® 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).

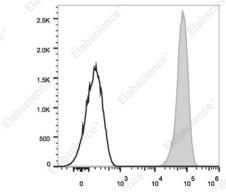
**Storage Buffer** Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer.

#### 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  $\mu$ g/10<sup>6</sup> cells in 100  $\mu$ L volume].

#### Data



Staining of C57BL/6 murine splenocytes cells with Elab Fluor

<sup>®</sup> 700 Anti-Mouse H-2 Antibody[M1/42] (filled gray histogram) or Elab Fluor<sup>®</sup> 700 Rat IgG2a, κ Isotype Control (empty black histogram). 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 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.**



A Reliable Research Partner in Life Science and Medicine

# **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.