

A Reliable Research Partner in Life Science and Medicine

# FITC Anti-Mouse H-2 Antibody[M1/42]

Catalog Number: E-AB-F1216UC

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 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).

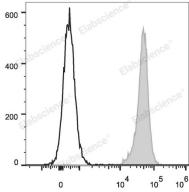
Storage Buffer Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer.

#### Applications Recommended usage

FCM Each lo

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**



C57BL/6 murine splenocytes are stained with FITC 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. V1.6

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

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## **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.

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