

## Elab Fluor® Red 780 Anti-Mouse H-2 Antibody[M1/42]

**Catalog Number:** E-AB-F1216S

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

### Description

|                                |  |
|--------------------------------|--|
| <b>Reactivity</b>              | Mouse  |
| <b>Host</b>                    | Rat  |
| <b>Isotype</b>                 | Rat IgG2a, κ   |
| <b>Clone No.</b>               | M1/42  |
| <b>Isotype Control</b>         | Elab Fluor® Red 780 Rat IgG2a, κ Isotype Control[2A3] [Product E-AB-F09832S]   |
| <b>Conjugation</b>             | Elab Fluor® Red 780  |
| <b>Conjugation Information</b> | Elab Fluor® Red 780 is designed to be excited by the Red (627-640 nm) laser and detected using an optical filter centered near 770 nm (e.g., a 780/60 nm bandpass filter). |
| <b>Storage Buffer</b>          | Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer and 1% protein protectant.  |

### Applications

### Recommended usage

|            |   |
|------------|---|
| <b>FCM</b> | Each lot of this antibody is quality control tested by flow cytometric analysis. <b>The amount of the reagent is suggested to be used 5 µL of antibody per test (million cells in 100 µL staining volume or per 100 µL of whole blood).</b> Please check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for individual use. |
|------------|---|

### Preparation & Storage

|                 |   |
|-----------------|---|
| <b>Storage</b>  | Keep as concentrated solution.<br>This product can be stored at 2-8°C for 12 months. Please protected from prolonged exposure to light and do not freeze. |
| <b>Shipping</b> | Ice bag   |

### Antigen Information

|                        |  |
|------------------------|--|
| <b>Alternate Names</b> | MHC I; Mouse major histocompatibility complex (MHC) H-2  |
| <b>Uniprot ID</b>      | P06345   |
| <b>Gene ID</b>         | 111364   |
| <b>Background</b>      | 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. |

### For Research Use Only

Toll-free: 1-888-852-8623  
Web: [www.elabscience.com](http://www.elabscience.com)

Tel: 1-832-243-6086  
Email: [techsupport@elabscience.com](mailto:techsupport@elabscience.com)

Fax: 1-832-243-6017

Rev. V1.7