

## Elab Fluor® 700 Anti-Mouse MHC II (I-A/I-E) Antibody[M5/114]

Catalog Number: GFH0990M1

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

### Description

|                         |                                                                                                                                                                        |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Mouse                                                                                                                                                                  |
| Host                    | Rat                                                                                                                                                                    |
| Isotype                 | Rat IgG2b, κ                                                                                                                                                           |
| Clone No.               | M5/114                                                                                                                                                                 |
| Isotype Control         | Elab Fluor® 700 Rat IgG2b, κ Isotype Control[LTF-2] [Product E-AB-F09842M1]                                                                                            |
| 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% sodium azide.                                                                                                    |

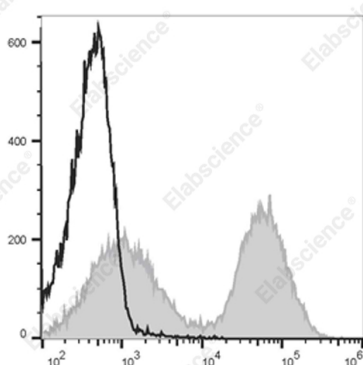
### Applications

### Recommended usage

#### FCM

Each lot of this antibody is quality control tested by flow cytometric analysis. **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).** Please check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for individual use.

### Data



Staining of C57BL/6 murine splenocytes with Elab Fluor® 700 Anti-Mouse MHC II (I-A/I-E) Antibody[M5/114] (filled gray histogram) or Elab Fluor® 700 Rat IgG2b, κ Isotype Control (empty black histogram). Total viable cells were used for analysis.

### Preparation & Storage

|          |                                                                                                                                                           |
|----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| Storage  | 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. |
| Shipping | Ice bag                                                                                                                                                   |

### Antigen Information

|                 |                                                                                                                                |
|-----------------|--------------------------------------------------------------------------------------------------------------------------------|
| Alternate Names | H2-Ab1/Eb1;I-E beta MHC class II;MHC class II;MHC class II H2-IA-beta-psi;Major histocompatibility protein class II beta chain |
| Gene ID         | 14961;14969                                                                                                                    |

### For Research Use Only

## Background

These class II molecules are expressed on antigen presenting cells (including B cells) and a subset of T cells from H-2b,d,q,r bearing mice and are involved in antigen presentation to T cells expressing CD3/TCR and CD4 proteins.