

## PE/Cyanine5 Anti-Mouse MHC II (I-A/I-E) Antibody[M5/114]

**Catalog Number:** E-AB-F0990G

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

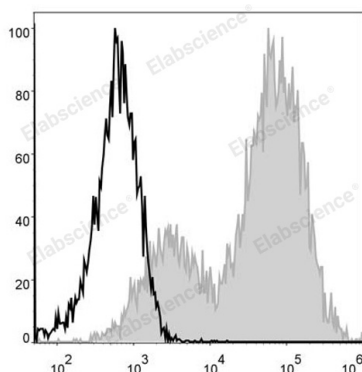
### Description

|                                |                                                                                                                                                                                                            |
|--------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Reactivity</b>              | Mouse                                                                                                                                                                                                      |
| <b>Host</b>                    | Rat                                                                                                                                                                                                        |
| <b>Isotype</b>                 | Rat IgG2b, $\kappa$                                                                                                                                                                                        |
| <b>Clone No.</b>               | M5/114                                                                                                                                                                                                     |
| <b>Isotype Control</b>         | PE/Cyanine5 Rat IgG2b, $\kappa$ Isotype Control[LTF-2] [Product E-AB-F09842G]                                                                                                                              |
| <b>Conjugation</b>             | PE/Cyanine 5                                                                                                                                                                                               |
| <b>Conjugation Information</b> | PE/Cyanine5 is designed to be excited by the Blue (488 nm), Green (532 nm) and yellow-green (561 nm) lasers and detected using an optical filter centered near 670 nm (e.g., a 690/50 nm bandpass filter). |
| <b>Storage Buffer</b>          | Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer.                                                                                                                                          |

### Applications

| Applications | Recommended usage                                                                                                                                                                                                                                                                                                                                                                                                                |
|--------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| FCM          | 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 <math>\mu</math>L of antibody per test (million cells in 100 <math>\mu</math>L staining volume or per 100 <math>\mu</math>L of whole blood).</b> Please check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for individual use. |

### Data



C57BL/6 murine splenocytes are stained with PE/Cyanine5 Anti-Mouse MHC II (I-A/I-E) Antibody (filled gray histogram). Unstained splenocytes (empty black histogram) are used as control.

### Preparation & Storage

|                 |                                                                                                                                                           |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Storage</b>  | Keep as concentrated solution.<br>This product can be stored at 2-8°C for 24 months. Please protected from prolonged exposure to light and do not freeze. |
| <b>Shipping</b> | Ice bag                                                                                                                                                   |

### Antigen Information

|                        |                                                                                                                                |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------|
| <b>Alternate Names</b> | 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 |
| <b>Uniprot ID</b>      | P14483;O78196                                                                                                                  |

### For Research Use Only

**Gene ID**

14961;14969

**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.