

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

|                    |  |                     |       |
|--------------------|--|---------------------|-------|
| <b>Catalog No.</b> | E-AB-F0990D                                | <b>Reactivity</b>   | Mouse |
| <b>Storage</b>     | Store at 2~8°C, Avoid freeze / thaw cycles | <b>Applications</b> | FCM   |

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

### Antigen Information

|                        |  |
|------------------------|--|
| <b>Alternate Names</b> | H2-Ab1/Eb1, Major histocompatibility protein class II beta chain, MHC class II H2-IA-beta-psi, I-E beta MHC class II, MHC class II   |
| <b>Uniprot ID</b>      | P14483, O78196   |
| <b>Background</b>      | 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. |

### Product Details

|                                |   |
|--------------------------------|---|
| <b>Form</b>                    | Liquid  |
| <b>Size</b>                    | 50Tests/100Tests/100Tests×2   |
| <b>Clone No.</b>               | M5/114  |
| <b>Host</b>                    | Rat   |
| <b>Isotype</b>                 | Rat IgG2b, κ  |
| <b>Reactivity</b>              | Mouse   |
| <b>Application</b>             | FCM   |
| <b>Isotype Control</b>         | <a href="#">PE Rat IgG2b, κ Isotype Control[LTF-2] [Product E-AB-F09842D]</a>   |
| <b>Storage Buffer</b>          | Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer and 1% protein protectant.   |
| <b>Shipping</b>                | Biological ice pack at 4 °C   |
| <b>Stability &amp; Storage</b> | Keep as concentrated solution.<br>Store at 2~8°C and protected from prolonged exposure to light. Do not freeze.<br>This product is guaranteed up to one year from purchase. |

### For Research Use Only

## Fluorophore

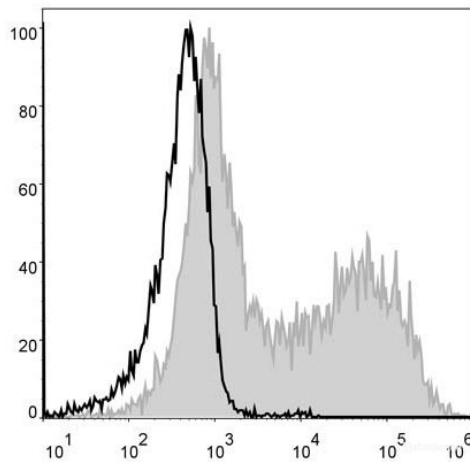
**Conjugation:** PE

PE 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 575 nm (e.g., a 585/42 nm bandpass filter).

## Recommended usage

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.

## Product data



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

## Related Information

1. Sample Preparation for Flow Cytometry <https://www.elabscience.com/List-detail-5594.html>
2. Staining Cell Surface Targets for Flow Cytometry <https://www.elabscience.com/List-detail-5568.html>
3. Flow Cytometry Troubleshooting Tips <https://www.elabscience.com/List-detail-5593.html>
4. How to select the appropriate detection channel through the spectrogram? <https://www.elabscience.com/List-detail-459742.html>

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