

# PE/Cyanine5.5 Anti-Mouse MHC II (I-A/I-E) Antibody [M5/114]

AGEL0505

## Description

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This PE/Cyanine5.5 Anti-Mouse MHC II (I-A/I-E) Antibody [M5/114] is supplied as a kit for advanced applications. The kit includes Bradford Reagent to quantify total protein concentration for accurate sample normalization (Optional).

## Product Information

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|----------------------|------------------------------------------------------------------------------------------------------------------------------------|
| <b>SKU:</b>          | AGEL0505                                                                                                                           |
| <b>Contents:</b>     | 100µg, 25µg<br>Bradford Reagent: 1 vial (2ml)                                                                                      |
| <b>Category:</b>     | Monoclonal Antibody                                                                                                                |
| <b>Clonality:</b>    | Monoclonal                                                                                                                         |
| <b>Clone:</b>        | M5/114                                                                                                                             |
| <b>Synonyms:</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>Applications:</b> | <a href="#">FCM</a>                                                                                                                |
| <b>Reactivity:</b>   | Mouse                                                                                                                              |
| <b>Immunogen:</b>    | -                                                                                                                                  |

## Antibody Data

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|-------------------------|---------------------------------------------------|
| <b>Uniprot ID:</b>      | P14483, O78196                                    |
| <b>Gene ID:</b>         | 14961, 14969                                      |
| <b>Swissprot:</b>       | P14483O78196                                      |
| <b>Host Species:</b>    | Rat                                               |
| <b>Isotype:</b>         | Rat IgG2b, κ                                      |
| <b>Isotype Control:</b> | PE/Cyanine5.5 Rat IgG2b, κ Isotype Control[LTF-2] |

**Manufacturers Statement:** This final kit system is assembled and quality-released by Assay Genie Limited.

|                                 |                                                                                                                                                                                                              |
|---------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Conjugation:</b>             | PE/Cyanine 5.5                                                                                                                                                                                               |
| <b>Conjugation Information:</b> | PE/Cyanine5.5 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 690 nm (e.g., a 690/50 nm bandpass filter). |
| <b>Buffer:</b>                  | Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer.                                                                                                                                            |
| <b>Purification:</b>            | -                                                                                                                                                                                                            |
| <b>Target:</b>                  | MHC II                                                                                                                                                                                                       |
| <b>Cellular Localization:</b>   | Membrane                                                                                                                                                                                                     |
| <b>Tissue Specificity:</b>      | -                                                                                                                                                                                                            |
| <b>Verified Samples:</b>        | -                                                                                                                                                                                                            |
| <b>Concentration:</b>           | 0.2 mg/mL                                                                                                                                                                                                    |

## Preparation & Storage

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**Storage:** 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

**Recommended Dilution:** -

**Recommended Usage:**

| Application | Recommended Usage                                                                                                                                                                                                                                                                                                                                                                 |
|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| FCM         | 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 µg/106 cells in 100 µL volume] |

**Protein Quantification (Optional):** To quantify total protein levels, use the Bradford Reagent included in this kit. Visit <https://www.assaygenie.com/bradford-protein-assay-protocol/> to view the full protocol

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