

**Antibody Data**

|                      |                 |               |              |
|----------------------|-----------------|---------------|--------------|
| <b>Product SKU:</b>  | <b>AGEL2419</b> | <b>Clone:</b> | <b>M1/42</b> |
| <b>Applications:</b> | <b>FCM</b>      |               |              |
| <b>Reactivity:</b>   | <b>Mouse</b>    |               |              |

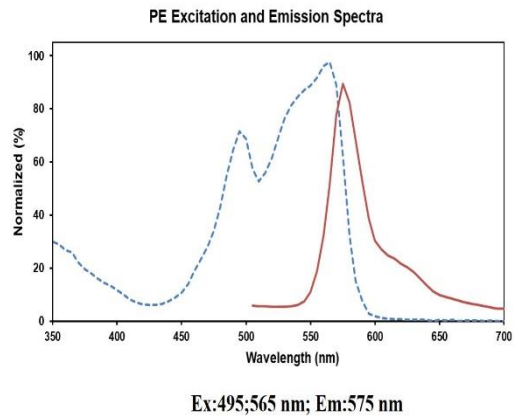
**Important Note:**

Centrifuge before opening to ensure complete recovery of vial contents.

**Product Information:**

**Alternate Names:** Mouse major histocompatibility complex (MHC) H-2; MHC I;  
**Uniprot ID:** -  
**Background:** 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.

**Form:** Liquid  
**Conjugation:** PE  
**Size:** 25µg, 100µg  
**Host Species:** Rat  
**Isotype:** Rat IgG2a, κ



**Isotype Control:** PE Rat IgG2a, κ Isotype Control[2A3] [Product AGEL2419]  
**Storage Buffer:** Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer and 1% protein protectant.  
**Shipping:** Biological ice pack at 4°C

**Stability & Storage:** Keep as concentrated solution. Store at 2~8°C and protected from prolonged exposure to light. Do not freeze. Centrifuge before opening to ensure complete recovery of vial contents. This product is guaranteed up to one year from purchase.

**Recommended Usage:** 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/10<sup>6</sup> cells in 100 µL volume].

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