Elabscience®

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# AF/LE Purified Anti-Mouse H-2 Antibody[M1/42]

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|---|---|---|---|
| **Catalog No.** | E-AB-F12160 | **Reactivity** | Mouse |
| **Storage** | Store at 2~8℃, Avoid freeze / thaw cycles | **Applications** | Block,FCM |

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

## Antigen Information

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| **Alternate Names** | Mouse major histocompatibility complex (MHC) H-2, MHC I |
| **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. |

## Product Details

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| **Form** | Liquid |
| **Concentration** | 0.5 mg/mL |
| **Size** | 50μg/500μg/1mg |
| **Clone No.** | M1/42 |
| **Host** | Rat |
| **Isotype** | Rat IgG2a, κ |
| **Reactivity** | Mouse |
| **Application** | Block,FCM |
| **Isotype Control** | AF/LE Purified Rat IgG2a, κ Isotype Control[2A3] [Product E-AB-F098330] |
| **Storage Buffer** | 0.2 μm filtered in PBS, pH 7.2. Azide Free (AF)/Low Endotoxin (LE): Contains no stabilizers or stabilizers. Endotoxin level is < 2 EU/mg as Determined by LAL gel clotting assay. |
| **Shipping** | Biological ice pack at 4 ℃ |
| **Stability & Storage** | Keep as concentrated solution.<br>Store at 2~8℃ and protected from prolonged exposure to light.Do not freeze.<br>This product is guaranteed up to one year from purchase. |

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## Fluorophore

**Conjugation:** None (Purified antibody-Azide Free/Low endotoxin)

## Recommended usage

Each lot of this antibody is quality control tested by flow cytometric analysis. For flow cytometric staining, the suggested use of this reagent is ≤ 0.25 μg per $10^6$ cells in 100 μL volume or 100 μL of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.

## 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