

Biotin Anti-Mouse H-2 Antibody[M1/42]

Catalog Number: E-AB-F1216B

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

Description

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| Reactivity | Mouse |
| Host | Rat |
| Isotype | Rat IgG2a, κ |
| Clone No. | M1/42 |
| Isotype Control | Biotin Rat IgG2a, κ Isotype Control[2A3] [Product E-AB-F09833B] |
| Conjugation | Biotin |
| Storage Buffer | Phosphate buffered solution, pH 7.2, containing 0.09% sodium azide and 1% BSA. |

Applications

Recommended usage

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| FCM | Each lot of this antibody is quality control tested by flow cytometric analysis. For flow cytometric staining, the suggested use of this reagent is $\leq 1.0 \mu\text{g}$ 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. |
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Preparation & Storage

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| Storage | Keep as concentrated solution. This product can be stored at 2-8°C for 12 months. Do not freeze. |
| Shipping | Ice bag |

Antigen Information

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| Alternate Names | MHC I; Mouse major histocompatibility complex (MHC) H-2 |
| Uniprot ID | P06345 |
| Gene ID | 111364 |
| 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. |