

Biotin Anti-Mouse CD3 Antibody[17A2]

Catalog Number: E-AB-F1013B

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

Description

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| Reactivity | Mouse |
| Host | Rat |
| Isotype | Rat IgG2b, κ |
| Clone No. | 17A2 |
| Isotype Control | Biotin Rat IgG2b, κ Isotype Control[LTF-2] [Product E-AB-F09843B] |
| Conjugation | Biotin |
| Storage Buffer | Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer. |

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 24 months. Do not freeze. |
| Shipping | Ice bag |

Antigen Information

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| Alternate Names | CD3;CD3E/D/G/Z;CD3e/d/g/z;T-cell surface glycoprotein CD 3epsilon/delta/gamma/zeta chain |
| Uniprot ID | P04235;P11942;P22646;P24161 |
| Gene ID | 12500;12501;12502;12503 |
| Background | CD3, also known as T3, is a member of the Ig superfamily and primarily expressed on T cells, NK-T cells, and at different levels on thymocytes during T cell differentiation. CD3 is composed of CD3ε, δ, γ and ζ chains. It forms a TCR complex by associating with TCR α/β or γ/δ chains. CD3 plays a critical role in TCR signal transduction, T cell activation, and antigen recognition by binding the peptide/MHC antigen complex. |

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