

## Biotin Anti-Human CD3 Antibody[UCHT1]

**Catalog Number:** E-AB-F1230B

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

### Description

|                        |                                                                      |
|------------------------|----------------------------------------------------------------------|
| <b>Reactivity</b>      | Human                                                                |
| <b>Host</b>            | Mouse                                                                |
| <b>Isotype</b>         | Mouse IgG1, κ                                                        |
| <b>Clone No.</b>       | UCHT1                                                                |
| <b>Isotype Control</b> | Biotin Mouse IgG1, κ Isotype Control[MOPC-21] [Product E-AB-F09793B] |
| <b>Conjugation</b>     | Biotin                                                               |
| <b>Storage Buffer</b>  | Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer.    |

### Applications

### Recommended usage

#### 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  $100 \mu\text{L}$  volume or  $100 \mu\text{L}$  of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.

### Preparation & Storage

|                 |                                                                                                     |
|-----------------|-----------------------------------------------------------------------------------------------------|
| <b>Storage</b>  | Keep as concentrated solution.<br>This product can be stored at 2-8°C for 24 months. Do not freeze. |
| <b>Shipping</b> | Ice bag                                                                                             |

### Antigen Information

|                        |                                                                                                                                                                                                                                                                                                                                                                                                                           |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Alternate Names</b> | CD3E;CD3ε;T-cell surface antigen T3/Leu-4 epsilon chain;T-cell surface glycoprotein CD3 epsilon chain;T3E                                                                                                                                                                                                                                                                                                                 |
| <b>Uniprot ID</b>      | P07766                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Gene ID</b>         | 915                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Background</b>      | CD3ε is a 20 kD chain of the CD3/T cell receptor (TCR) complex, which is composed of two CD3ε, one CD3γ, one CD3δ, one CD3ζ (CD247), and a T cell receptor (α/β or γ/δ) heterodimer. It is found on all mature T lymphocytes, NK T cells, and some thymocytes. CD3, also known as T3, is a member of the immunoglobulin superfamily that plays a role in antigen recognition, signal transduction, and T cell activation. |

### For Research Use Only

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