

## Datasheet for ABIN7178421 **anti-CD3 epsilon antibody**

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### Overview

|              |                                                       |
|--------------|-------------------------------------------------------|
| Quantity:    | 100 µL                                                |
| Target:      | CD3 epsilon (CD3E)                                    |
| Reactivity:  | Human                                                 |
| Host:        | Mouse                                                 |
| Clonality:   | Monoclonal                                            |
| Conjugate:   | This CD3 epsilon antibody is un-conjugated            |
| Application: | Flow Cytometry (FACS), Immunofluorescence (IF), ELISA |

### Product Details

|                   |                     |
|-------------------|---------------------|
| Immunogen:        | Recombinant Protein |
| Isotype:          | IgG2a               |
| Cross-Reactivity: | Human               |
| Purification:     | Affinity purified   |

### Target Details

|                   |                                                                                                                                                                                                                                                                                                                                                                 |
|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Target:           | CD3 epsilon (CD3E)                                                                                                                                                                                                                                                                                                                                              |
| Alternative Name: | CD3E ( <a href="#">CD3E Products</a> )                                                                                                                                                                                                                                                                                                                          |
| Background:       | Background: 4AT3 reacts with CD3, a 20-26 kDa molecule, which is expressed on all mature T lymphocytes (approximately 60-80% of normal human peripheral blood lymphocytes), NK-T cells and some thymocytes. CD3 associated with the T-cell receptor α/β or γ/δ dimer also plays a role in T-cell activation and signal transduction during antigen recognition. |

## Target Details

\* CD3 mAb is used to count mature T cells in blood.1. Ledbetter, J et al. (1981) J Exp Med 153:310-323.2. Haynes, B et al. (1986) Leukocyte Typing II: Human T lymphocytes. New York: Springer-Verlag; 3-30.3. Clevers H et al. (1988). Ann Rev Immunol 6 : 629-662.4. Barclay, N et al. (1993). The Leucocyte Factsbook. Academic Press. San Diego.

Aliases: N/A

UniProt: [P07766](#)

Pathways: [TCR Signaling](#), [CXCR4-mediated Signaling Events](#), [Ubiquitin Proteasome Pathway](#)

## Application Details

Application Notes: Recommended dilution:IF:1:100-1:200,

Restrictions: For Research Use only

## Handling

Format: Liquid

Buffer: Phosphate-buffered solution, pH 7.4, containing 0.09 % sodium azide

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C,-80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.