

Datasheet for ABIN2811334

## anti-CD3 epsilon antibody (AA 101-189) (AbBy Fluor® 594)



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### Overview

|                      |                                                                                                        |
|----------------------|--------------------------------------------------------------------------------------------------------|
| Quantity:            | 100 µL                                                                                                 |
| Target:              | CD3 epsilon (CD3E)                                                                                     |
| Binding Specificity: | AA 101-189                                                                                             |
| Reactivity:          | Human, Mouse, Rat                                                                                      |
| Host:                | Rabbit                                                                                                 |
| Clonality:           | Polyclonal                                                                                             |
| Conjugate:           | This CD3 epsilon antibody is conjugated to AbBy Fluor® 594                                             |
| Application:         | Flow Cytometry (FACS), Western Blotting (WB), Immunofluorescence (Paraffin-embedded Sections) (IF (p)) |

### Product Details

|                   |                                                                 |
|-------------------|-----------------------------------------------------------------|
| Immunogen:        | KLH conjugated synthetic peptide derived from mouse CD3 epsilon |
| Isotype:          | IgG                                                             |
| Cross-Reactivity: | Human, Mouse, Rat                                               |
| Purification:     | Purified by Protein A.                                          |

### Target Details

|                   |                                                                                                |
|-------------------|------------------------------------------------------------------------------------------------|
| Target:           | CD3 epsilon (CD3E)                                                                             |
| Alternative Name: | CD3 epsilon ( <a href="#">CD3E Products</a> )                                                  |
| Background:       | Synonyms: CD3, T3e, AI54783, CD3epsilon, T-cell surface glycoprotein CD3 epsilon chain, T-cell |

## Target Details

surface antigen T3/Leu-4 epsilon chain, CD3e

Background: The protein encoded by this gene is the CD3-epsilon polypeptide, which together with CD3-gamma, -delta and -zeta, and the T-cell receptor alpha/beta and gamma/delta heterodimers, forms the T-cell receptor-CD3 complex. This complex plays an important role in coupling antigen recognition to several intracellular signal-transduction pathways. The genes encoding the epsilon, gamma and delta polypeptides are located in the same cluster on chromosome 11. The epsilon polypeptide plays an essential role in T-cell development. Defects in this gene cause immunodeficiency. This gene has also been linked to a susceptibility to type I diabetes in women. [provided by RefSeq, Jul 2008].

Gene ID: 12501

UniProt: [P22646](#)

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

## Application Details

Application Notes: FCM 1:20-100  
IF(IHC-P) 1:50-200

Restrictions: For Research Use only

## Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS ( pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

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

Storage: -20 °C

Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

Expiry Date: 12 months