

Datasheet for ABIN1699817

**anti-CD3 epsilon antibody (AA 11-100) (AbBy Fluor® 647)**[Go to Product page](#)

## Overview

|                      |                                                                                                                                   |
|----------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| Quantity:            | 100 µL                                                                                                                            |
| Target:              | CD3 epsilon (CD3E)                                                                                                                |
| Binding Specificity: | AA 11-100                                                                                                                         |
| Reactivity:          | Human, Mouse, Pig                                                                                                                 |
| Host:                | Rabbit                                                                                                                            |
| Clonality:           | Polyclonal                                                                                                                        |
| Conjugate:           | This CD3 epsilon antibody is conjugated to AbBy Fluor® 647                                                                        |
| Application:         | Flow Cytometry (FACS), Immunofluorescence (Paraffin-embedded Sections) (IF (p)),<br>Immunofluorescence (Cultured Cells) (IF (cc)) |

## Product Details

|                   |                                                        |
|-------------------|--------------------------------------------------------|
| Immunogen:        | KLH conjugated synthetic peptide derived from pig CD3E |
| Isotype:          | IgG                                                    |
| Cross-Reactivity: | Human, Mouse, Pig                                      |
| Purification:     | Purified by Protein A.                                 |

## Target Details

|                   |                                                                    |
|-------------------|--------------------------------------------------------------------|
| Target:           | CD3 epsilon (CD3E)                                                 |
| Alternative Name: | CD3E ( <a href="#">CD3E Products</a> )                             |
| Background:       | Synonyms: CD3, T-cell surface glycoprotein CD3 epsilon chain, CD3e |

## Target Details

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:  | 397455                                                                                                                         |
| UniProt:  | <a href="#">Q7YRN2</a>                                                                                                         |
| Pathways: | <a href="#">TCR Signaling</a> , <a href="#">CXCR4-mediated Signaling Events</a> , <a href="#">Ubiquitin Proteasome Pathway</a> |

## Application Details

|                    |                                                                              |
|--------------------|------------------------------------------------------------------------------|
| Application Notes: | FCM 1:20-100<br>IF(IHC-P) 1:50-200<br>IF(IHC-F) 1:50-200<br>IF(ICC) 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                                                                                                          |