

Datasheet for ABIN7630046

**Recombinant anti-CD3 epsilon antibody**[Go to Product page](#)

## Overview

|                |                                                                                                                                                           |
|----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| Quantity:      | 100 µL                                                                                                                                                    |
| Target:        | CD3 epsilon (CD3E)                                                                                                                                        |
| Reactivity:    | Human                                                                                                                                                     |
| Host:          | Mouse                                                                                                                                                     |
| Antibody Type: | Recombinant Antibody                                                                                                                                      |
| Clonality:     | Monoclonal                                                                                                                                                |
| Conjugate:     | This CD3 epsilon antibody is un-conjugated                                                                                                                |
| Application:   | Flow Cytometry (FACS), Western Blotting (WB), Immunohistochemistry (IHC),<br>Immunofluorescence (IF), Immunoprecipitation (IP), Immunocytochemistry (ICC) |

## Product Details

|               |                                                                                                                                                                               |
|---------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Purpose:      | Recombinant Antibody to T-Cell Surface Glycoprotein CD3 Epsilon (CD3e)                                                                                                        |
| Isotype:      | IgG2b kappa                                                                                                                                                                   |
| Specificity:  | The antibody is a mouse monoclonal antibody raised against CD3e. It has been selected for its ability to recognize CD3e in immunohistochemical staining and western blotting. |
| Purification: | Protein A + Protein G affinity chromatography                                                                                                                                 |

## Target Details

|                   |                                                                           |
|-------------------|---------------------------------------------------------------------------|
| Target:           | CD3 epsilon (CD3E)                                                        |
| Alternative Name: | T-Cell Surface Glycoprotein CD3 Epsilon ( <a href="#">CD3E Products</a> ) |

## Target Details

|             |                                                                                                                                |
|-------------|--------------------------------------------------------------------------------------------------------------------------------|
| Background: | T3E, TCRE, CD3-E Molecule,Epsilon(CD3-TCR Complex), T-cell surface antigen T3/Leu-4 epsilon chain                              |
| UniProt:    | <a href="#">P07766</a>                                                                                                         |
| Pathways:   | <a href="#">TCR Signaling</a> , <a href="#">CXCR4-mediated Signaling Events</a> , <a href="#">Ubiquitin Proteasome Pathway</a> |

## Application Details

|                    |                                                                                                                                                                                                                                                                                                                                     |
|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Application Notes: | Western blotting: 0.2-2 µg/mL, Immunohistochemistry: 5-20 µg/mL, Immunocytochemistry: 5-20 µg/mL, Flow cytometry:10 µg/mL, Optimal working dilutions must be determined by end user.                                                                                                                                                |
| Comment:           | The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition. |
| Restrictions:      | For Research Use only                                                                                                                                                                                                                                                                                                               |

## Handling

|                    |                                                                                                                                                                 |
|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Format:            | Liquid                                                                                                                                                          |
| Concentration:     | 1 mg/mL                                                                                                                                                         |
| Buffer:            | PBS, pH 7.4, containing 0.02 % Sodium azide, 50 % glycerol.                                                                                                     |
| 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:           | 4 °C,-20 °C                                                                                                                                                     |
| Storage Comment:   | Store at 4°C for frequent use. Stored at -20°C in a manual defrost freezer for two year without detectable loss of activity. Avoid repeated freeze-thaw cycles. |