

Datasheet for ABIN7193636  
**anti-CD3D antibody (AA 127-171)**

## 5 Images

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## Overview

|                      |   |
|----------------------|---|
| Quantity:            | 0.1 mg  |
| Target:              | CD3D  |
| Binding Specificity: | AA 127-171  |
| Reactivity:          | Human   |
| Host:                | Mouse   |
| Clonality:           | Monoclonal  |
| Conjugate:           | This CD3D antibody is un-conjugated                 |
| Application:         | Western Blotting (WB), ELISA, Flow Cytometry (FACS) |

## Product Details

|               |   |
|---------------|---|
| Immunogen:    | Purified recombinant fragment of human CD3D (AA: 127-171) expressed in E. coli. |
| Clone:        | 4B9G9   |
| Isotype:      | IgG2b   |
| Purification: | purified  |

## Target Details

|                   |   |
|-------------------|---|
| Target:           | CD3D  |
| Alternative Name: | CD3D ( <a href="#">CD3D Products</a> )  |
| Background:       | Description: The protein encoded by this gene is part of the T-cell receptor/CD3 complex (TCR/CD3 complex) and is involved in T-cell development and signal transduction. The |

## Target Details

encoded membrane protein represents the delta subunit of the CD3 complex, and along with four other CD3 subunits, binds either TCR alpha/beta or TCR gamma/delta to form the TCR/CD3 complex on the surface of T-cells. Defects in this gene are a cause of severe combined immunodeficiency autosomal recessive T-cell-negative/B-cell-positive/NK-cell-positive (SCIDBNK). Two transcript variants encoding different isoforms have been found for this gene. Other variants may also exist, but the full-length natures of their transcripts has yet to be defined. [provided by RefSeq, Feb 2009]

Aliases: T3D, IMD19, CD3-DELTA

Molecular Weight: 18.9 kDa

Gene ID: 915

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

## Application Details

Application Notes: WB:1:500 - 1:2000, FCM:1:200 - 1:400, ELISA:1:10000,

Restrictions: For Research Use only

## Handling

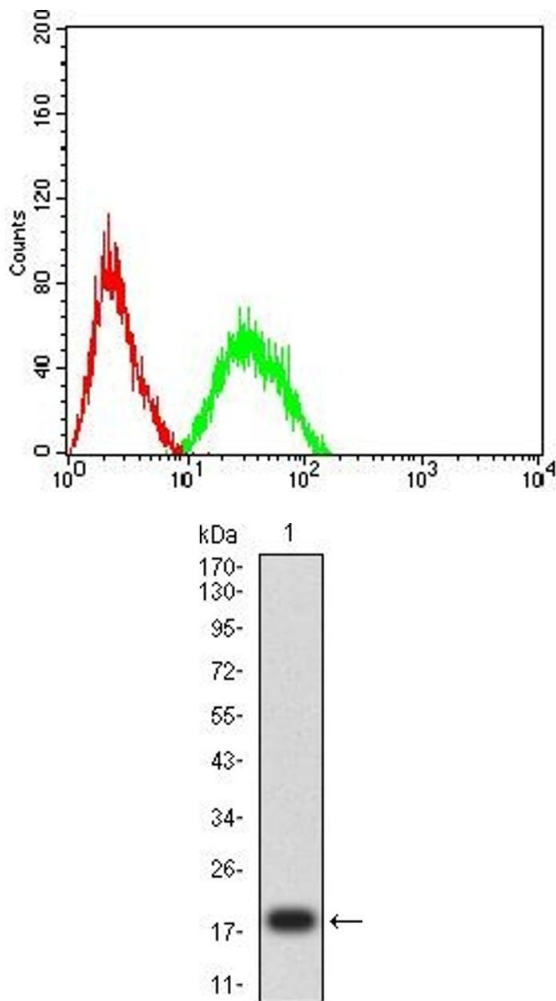
Buffer: Purified antibody in PBS with 0.05 % sodium azide

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: 4 °C/-20 °C

Storage Comment: 4°C, -20°C for long term storage

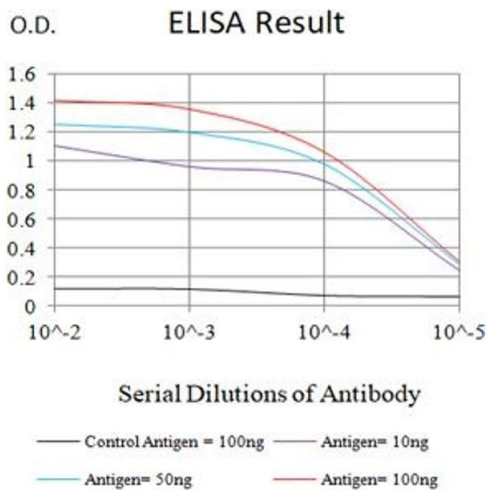


Flow Cytometry

**Image 1.** Flow cytometric analysis of Jurkat cells using CD3D mouse mAb (green) and negative control (red).

Western Blotting

**Image 2.** Western blot analysis using CD3D mAb against human CD3D (AA: 127-171) recombinant protein. (Expected MW is 18.6 kDa)



ELISA

**Image 3.** Black line: Control Antigen (100 ng),Purple line: Antigen (10 ng), Blue line: Antigen (50 ng), Red line:Antigen (100 ng)

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN7193636.