

Datasheet for ABIN7193637
anti-CD3D antibody (AA 127-171)[Go to Product page](#)

5 Images

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, Immunocytochemistry (ICC), Flow Cytometry (FACS)

Product Details

Immunogen:	Purified recombinant fragment of human CD3D (AA: 127-171) expressed in E. coli.
Clone:	6B6B12
Isotype:	IgG2b
Purification:	purified

Target Details

Target:	CD3D
Alternative Name:	CD3D (CD3D Products)
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, ICC:1:200 - 1:1000, FCM:1:200 - 1:400, ELISA:1:10000,

Restrictions: For Research Use only

Handling

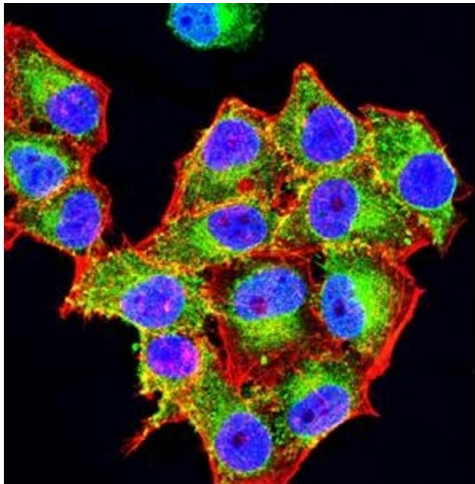
Buffer: Purified antibody in PBS with 0.05 % sodium azide

Preservative: Sodium azide

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

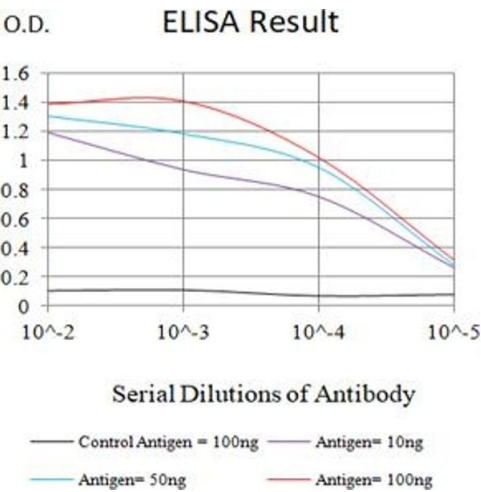
Storage: 4 °C/-20 °C

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



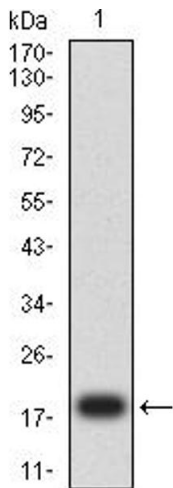
Immunofluorescence

Image 1. Immunofluorescence analysis of HeLa cells using CD3D mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor- 555 phalloidin. Secondary antibody from Fisher (Cat#: 35503)



ELISA

Image 2. Black line: Control Antigen (100 ng),Purple line: Antigen (10 ng), Blue line: Antigen (50 ng), Red line:Antigen (100 ng)



Western Blotting

Image 3. Western blot analysis using CD3D mAb against human CD3D (AA: 127-171) recombinant protein. (Expected MW is 18.6 kDa)

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN7193637.