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Datasheet for ABIN5684129
anti-CD3D antibody (AA 22-105)

4 Images

Overview

Quantity:	0.1 mg
Target:	CD3D
Binding Specificity:	AA 22-105
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Immunocytochemistry (ICC), Flow Cytometry (FACS), Neutralization (Neut)

Product Details

Immunogen:	Purified recombinant fragment of human CD3D (AA: extra 22-105) expressed in E. coli.
Clone:	8D11D5
Isotype:	IgG1
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 encoded membrane protein represents the delta subunit of the CD3 complex, and along with

Target Details

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.

Aliases: T3D, IMD19, CD3-DELTA

Molecular Weight: 18.9 kDa

Gene ID: 915

HGNC: 10666

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

Application Details

Application Notes: ELISA: 1:10000, WB: 1:500 - 1:2000, ICC: N/A, FCM: 1:200 - 1:400, IHC: N/A

Restrictions: For Research Use only

Handling

Format: Liquid

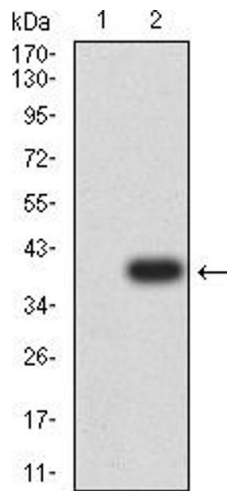
Buffer: Purified antibody in PBS with 0.05 % sodium azide

Preservative: Sodium azide

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

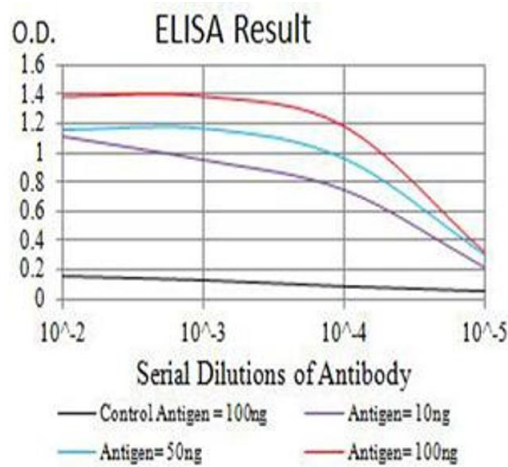
Storage: 4 °C/-20 °C

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



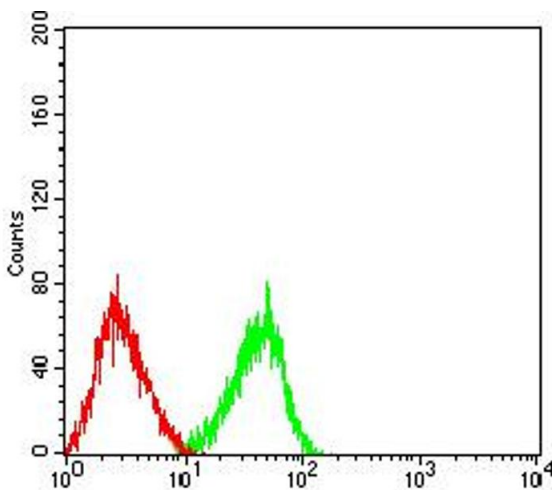
Western Blotting

Image 1. Western blot analysis using CD3D mAb against HEK293 (1) and CD3D (AA: extra 22-105)-hlgGFc transfected HEK293 (2) cell lysate.



ELISA

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



Flow Cytometry

Image 3. Flow cytometric analysis of HL-60 cells using CD3D mouse mAb (green) and negative control (red).

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN5684129.