

Datasheet for ABIN3021814  
**anti-CD3D antibody (AA 22-105)**

## 3 Images

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## Overview

Quantity:	100 µL
Target:	CD3D
Binding Specificity:	AA 22-105
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CD3D antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF)

## Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 22-105 of human CD3D (NP_000723.1).
Sequence:	FKIPIEELED RVFVNCNTSI TWVEGTVGTL LSDITRLDLG KRILDPRGIY RCNGTDIYKD KESTVQVHYR MCQSCVELDP ATVA
Isotype:	IgG
Cross-Reactivity:	Human, Rat
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

## Target Details

Target:	CD3D
Alternative Name:	CD3D ( <a href="#">CD3D Products</a> )
Background:	<p>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 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.,CD3D,CD3-DELTA,IMD19,T3D,Cancer,Tumor immunology,Tumor-associated antigens,Immunology &amp; Inflammation,CD markers,T Cell Receptor Signaling Pathway,Stem Cells,Hematopoietic Progenitors,CD3D</p>
Molecular Weight:	14 kDa/18 kDa
Gene ID:	915
UniProt:	<a href="#">P04234</a>
Pathways:	<a href="#">TCR Signaling</a> , <a href="#">CXCR4-mediated Signaling Events</a>

## Application Details

Application Notes:	WB,1:500 - 1:2000,IHC,1:50 - 1:100,IF,1:50 - 1:100
Restrictions:	For Research Use only

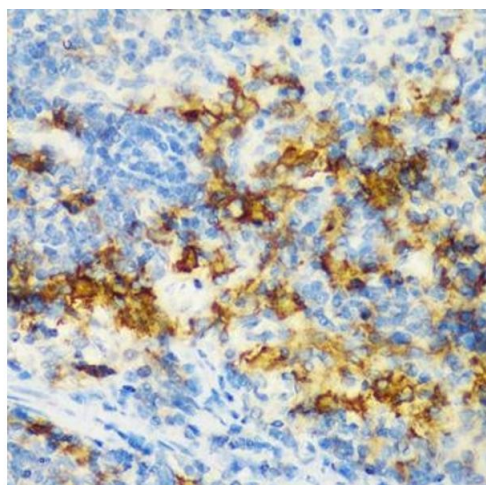
## Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid freeze / thaw cycles
Storage:	-20 °C

## Handling

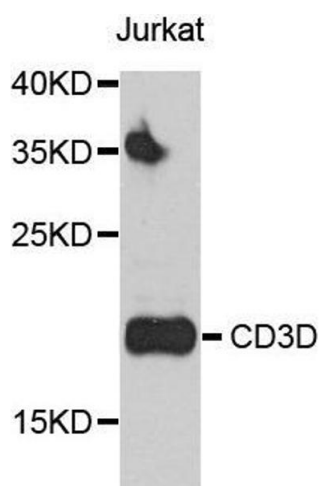
Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.

## Images



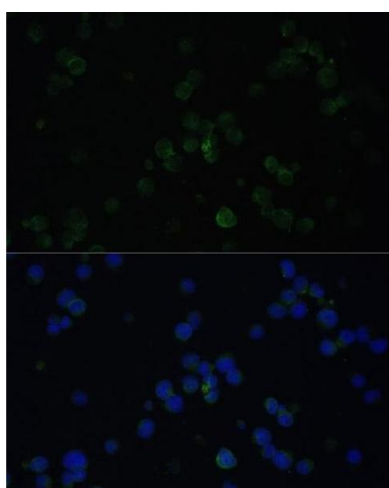
### Immunohistochemistry

**Image 1.** Immunohistochemistry of paraffin-embedded rat spleen using CD3D antibody (ABIN3021813, ABIN3021814, ABIN3021815 and ABIN6215992) at dilution of 1:200 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



### Western Blotting

**Image 2.** Western blot analysis of Jurkat cell and HUT-78 cell lysate using CD3D antibody.



### Immunofluorescence

**Image 3.** Immunofluorescence analysis of Jurkat cells using CD3D antibody (ABIN3021813, ABIN3021814, ABIN3021815 and ABIN6215992) at dilution of 1:100. Blue: DAPI for nuclear staining.