

CD3D antibody

Catalog No: #38225

Package Size: #38225-1 50ul #38225-2 100ul

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

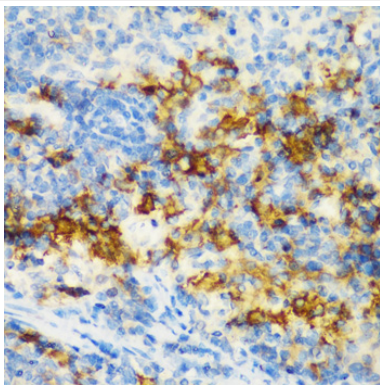
Description

Product Name	CD3D antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were purified by affinity purification using immunogen.
Applications	WB,IHC,IF
Species Reactivity	Human,Rat
Specificity	The antibody detects endogenous level of total CD3D protein.
Immunogen Type	Recombinant Protein
Immunogen Description	Recombinant protein of human CD3D.
Target Name	CD3D
Other Names	CD3D;CD3-DELTA;T3D;
Accession No.	Swiss-Prot#: P04234NCBI Gene ID: 915
SDS-PAGE MW	19kd
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

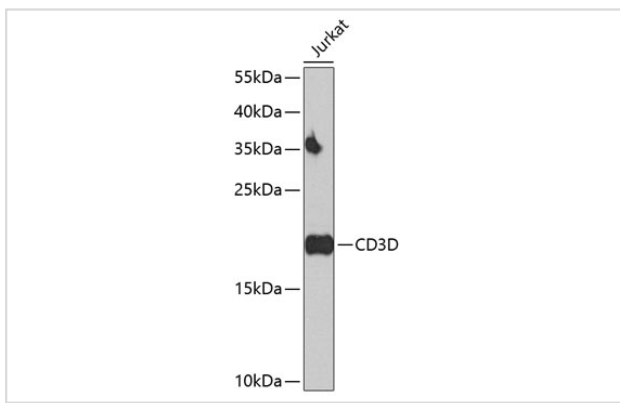
Application Details

WB □ 1:500 - 1:2000 IHC □ 1:50 - 1:100 IF □ 1:50 - 1:100

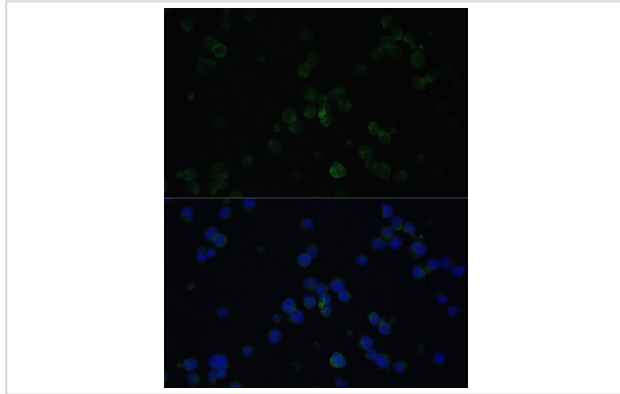
Images



Immunohistochemistry of paraffin-embedded rat spleen using CD3D antibody at dilution of 1:200 (40x lens).



Western blot analysis of extracts of Jurkat cells, using CD3D antibody at 1:500 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Enhanced Kit (RM00021). Exposure time: 90s.



Immunofluorescence analysis of Jurkat cells using CD3D antibody at dilution of 1:100. Blue: DAPI for nuclear staining.

Background

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 nature of their transcripts has yet to be defined. [provided by RefSeq, Feb 2009]

Published Papers

el et al., CD155 Cooperates with PD-1/PD-L1 to Promote Proliferation of Esophageal Squamous Cancer Cells via PI3K/Akt and MAPK Signaling Pathways. In *Cancers* (Basel) on 2022 Nov 15 by Xiyang Tan, Jie Yang, et al.. PMID:36428703, (2022)

[PMID:36428703](https://pubmed.ncbi.nlm.nih.gov/36428703/)

Note: This product is for in vitro research use only and is not intended for use in humans or animals.