

Product datasheet for **TA321190**

CD3D Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB: 1:500-2000
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Fusion protein corresponding to a region derived from 22-105 amino acids of human CD3d molecule, delta (CD3-TCR complex)
Formulation:	PBS pH7.3, 0.05% NaN ₃ , 50% glycerol
Concentration:	lot specific
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	19 kDa
Gene Name:	CD3d molecule
Database Link:	NP_000723 Entrez Gene 12500 Mouse Entrez Gene 25710 Rat Entrez Gene 915 Human P04234



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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 natures of their transcripts has yet to be defined.

Synonyms:

CD3-DELTA; IMD19; T3D

Protein Families:

Druggable Genome

Protein Pathways:

Hematopoietic cell lineage, Primary immunodeficiency, T cell receptor signaling pathway

Product images:

Predicted band size: 19 kDa. Positive control: Jurkat and HuT-78 cell lysate. Recommended dilution: 1/500-2000. (Gel: 12%SDS-PAGE Lane 1: Jurkat cell lysate Lane 2: HuT-78 cell lysate Lysates: 40 ug per lane Primary antibody: 1/500 dilution Secondary antibody: Goat anti Rabbit IgG - H&L (HRP) at 1/10000 dilution Exposure time: 1 minute)