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# Rabbit Anti-CD3D antibody

SL23465R

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| **Product Name:** | CD3D |
| **Chinese Name:** | CD3D抗体 |
| **Alias:** | CD3 antigen delta subunit;CD3 delta;CD3d antigen delta polypeptide;CD3d molecule delta;CD3D_HUMAN;IMD19;OKT3 delta chain ;T cell receptor T3 delta chain ;T-cell surface glycoprotein CD3 delta chain;T3D. |
| **Organism Species:** | Rabbit |
| **Clonality:** | Polyclonal |
| **React Species:** | Human, |
| **Applications:** | WB=1:500-2000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500（Paraffin sections need antigen repair）<br>not yet tested in other applications.<br>optimal dilutions/concentrations should be determined by the end user. |
| **Molecular weight:** | 19kDa |
| **Cellular localization:** | The cell membrane |
| **Form:** | Lyophilized or Liquid |
| **Concentration:** | 1mg/ml |
| **immunogen:** | KLH conjugated synthetic peptide derived from human CD3D:31-120/171<Extracellular> |
| **Lsotype:** | IgG |
| **Purification:** | affinity purified by Protein A |
| **Storage Buffer:** | 0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol. |
| **Storage:** | Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C. |
| **PubMed:** | PubMed |
| **Product Detail:** | CD3D (CD3d Molecule) is a Protein Coding gene. Diseases associated with CD3D include Immunodeficiency 19 and T-B+ Severe Combined Immunodeficiency Due To Cd3delta/Cd3epsilon/Cd3zeta. Among its related pathways are ICos-ICosL Pathway in T-Helper Cell and CTLA4 Signaling. GO annotations related to this gene include |

protein heterodimerization activity and transmembrane signaling receptor activity. An important paralog of this gene is CD3G.

**Function:**
The CD3 complex mediates signal transduction.

**Subunit:**
The TCR/CD3 complex of T-lymphocytes consists of either a TCR alpha/beta or TCR gamma/delta heterodimer coexpressed at the cell surface with the invariant subunits of CD3 labeled gamma, delta, epsilon, zeta, and eta

**Subcellular Location:**
Membrane.

**DISEASE:**
Defects in CD3D are a cause of severe combined immunodeficiency autosomal recessive T-cell-negative/B-cell-positive/NK-cell-positive (T(-)/B(+)/NK(+) SCID) [MIM:608971]. A form of severe combined immunodeficiency (SCID), a genetically and clinically heterogeneous group of rare congenital disorders characterized by impairment of both humoral and cell-mediated immunity, leukopenia, and low or absent antibody levels. Patients present in infancy recurrent, persistent infections by opportunistic organisms. The common characteristic of all types of SCID is absence of T-cell-mediated cellular immunity due to a defect in T-cell development.

**Similarity:**
Contains 1 ITAM domain.

**SWISS:**
P04234

**Gene ID:**
915

**Database links:**

Entrez Gene: 915Human

Entrez Gene: 12500Mouse

Omim: 186790Human

SwissProt: P04234Human

SwissProt: P04235Mouse

Unigene: 504048Human

Unigene: 4527Mouse

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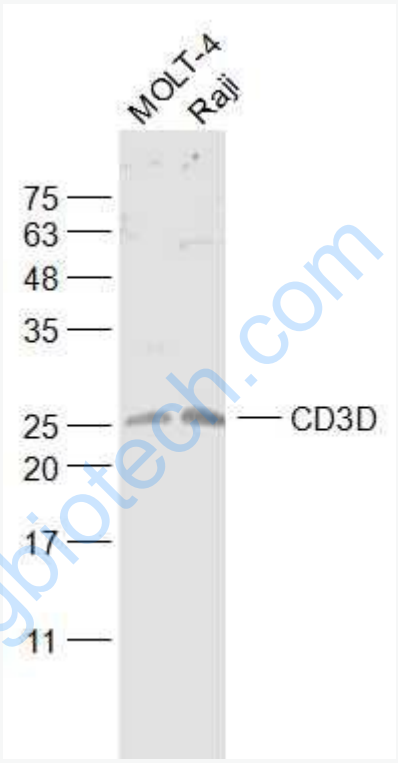
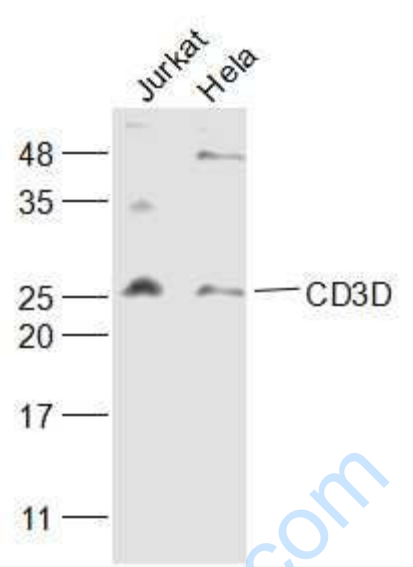
| | **Important Note:**<br>This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications. |
| **Picture:** |  <br>Sample:<br>MOLT-4(Human) Cell Lysate at 30 ug<br>Raji(Human) Cell Lysate at 30 ug<br>Primary: Anti-CD3D (SL23465R) at 1/1000 dilution<br>Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution<br>Predicted band size: 19 kD<br>Observed band size: 25 kD |




Sample:

Jurkat(Human) Cell Lysate at 30 ug

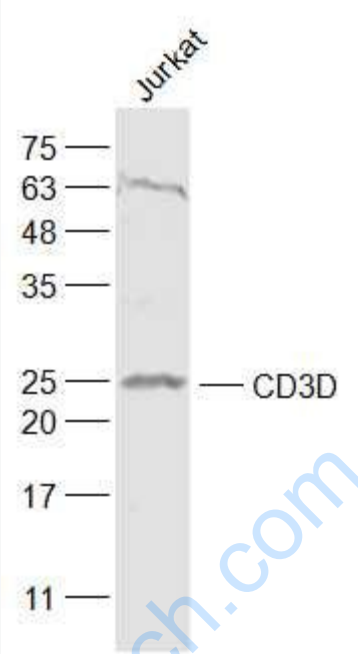
Hela(Human) Cell Lysate at 30 ug

Primary: Anti-CD3D? (SL23465R) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 19 kD

Observed band size: 27 kD




Sample:

Jurkat(Human) Cell Lysate at 30 ug

Primary: Anti-CD3D (SL23465R) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 19 kD

Observed band size: 25 kD