

36-3483: Anti-CD3e (T-Cell Marker) Polyclonal Antibody

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| Clonality : | Polyclonal |
| Application : | WB |
| Reactivity : | Human |
| Gene : | CD3E |
| Gene ID : | 916 |
| Uniprot ID : | P07766 |
| Alternative Name : | CD 3E, CD3 epsilon, CD3 TCR complex, CD3E, CD3e antigen epsilon polypeptide (TiT3 complex), T cell antigen receptor complex epsilon subunit of T3, T-cell surface antigen T3/Leu-4 epsilon chain, T-cell surface glycoprotein CD3 epsilon chain, T3E, TCRE, TiT3 complex |
| Isotype : | Rabbit IgG |
| Immunogen Information : | A synthetic peptide aa156-168 (ERPPVPNPDYEP) from human CD3e |

Description

Recognizes the epsilon-chain of CD3, which consists of five different polypeptide chains (designated as gamma, delta, epsilon, zeta, and eta) with MW ranging from 16-28kDa. The CD3 complex is closely associated at the lymphocyte cell surface with the T cell antigen receptor (TCR). Reportedly, CD3 complex is involved in signal transduction to the T cell interior following antigen recognition. The CD3 antigen is first detectable in early thymocytes and probably represents one of the earliest signs of commitment to the T cell lineage. In cortical thymocytes, CD3 is predominantly intra-cytoplasmic. However, in medullary thymocytes, it appears on the T cell surface. CD3 antigen is a highly specific marker for T cells, and is present in majority of T cell neoplasms.

Product Info

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| Amount : | 20 µg / 100 µg |
| Content : | 200 µg/ml of Ab Purified from rabbit anti-serum by Protein A. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA at 1.0mg/ml. |
| Storage condition : | Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. |

Application Note

Western Blot (1-2ug/ml for 60 minutes at RT);

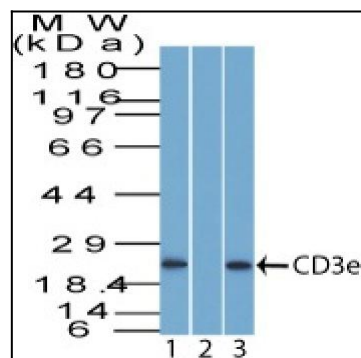


Fig. 1: Western blot of CD3e in human Jurkat cells (1) absence and (2) presence of immunizing peptide. (3) Mouse thymus probed with CD3e Rabbit Polyclonal Antibody.

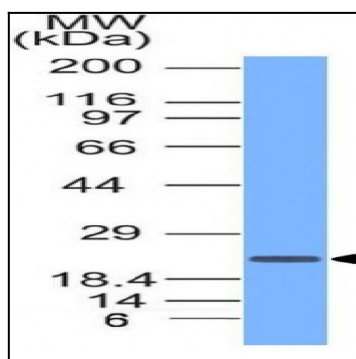


Fig. 2: Western Blot of Jurkat cell lysate using CD3e Rabbit Polyclonal Antibody.

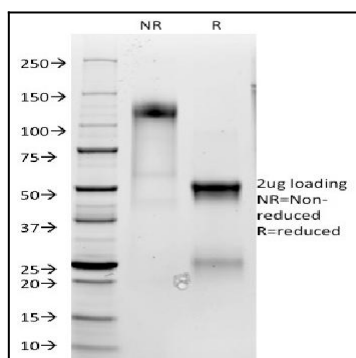


Fig. 3: SDS-PAGE Analysis Purified CD3e Rabbit Polyclonal Antibody Confirmation of Purity and Integrity of Antibody.