

CD3E

Reactivity: Human

Tested applications: WB IHC IP FC

Recommended Dilution: WB 1:500 - 1:2000 IHC 1:50 - 1:200 IP 1:20 - 1:50 FC 1:20 - 1:50

Calculated MW: 23 kDa

Observed MW: Refer to figures

Immunogen:

Recombinant protein of human CD3E

Storage Buffer:

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Synonym:

T3E; TCRE; IMD18;

Catalog #: A10786

Antibody Type:

Monoclonal Antibody

Species: Rabbit

Gene ID: 916

Isotype: IgG

Swiss Prot: P07766

Purity: Affinity purification

For research use only.

Background:

The protein encoded by this gene is the CD3-epsilon polypeptide, which together with CD3-gamma, -delta and -zeta, and the T-cell receptor alpha/beta and gamma/delta heterodimers, forms the T-cell receptor-CD3 complex. This complex plays an important role in coupling antigen recognition to several intracellular signal-transduction pathways. The genes encoding the epsilon, gamma and delta polypeptides are located in the same cluster on chromosome 11. The epsilon polypeptide plays an essential role in T-cell development. Defects in this gene cause immunodeficiency. This gene has also been linked to a susceptibility to type I diabetes in women.

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