
Product Name: CD3E Mouse Monoclonal Antibody**Catalog #: AMM80838**

For research use only.

Summary

Description	Mouse monoclonal Antibody
Host	Mouse
Application	WB,ELISA,FC
Reactivity	Human
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG1
Clonality	Monoclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Purified antibody in PBS with 0.05% sodium azide.
Purification	Affinity Purification

Application

Dilution Ratio	WB 1:500-1:2000,ELISA 1:5000-1:20000,FC 1:200-1:400
Molecular Weight	23kDa

Antigen Information

Gene Name	CD3E
Alternative Names	T3E; TCRE; FLJ18683; CD3E
Gene ID	916.0
SwissProt ID	P07766
Immunogen	Purified recombinant fragment of CD3E expressed in E. Coli.

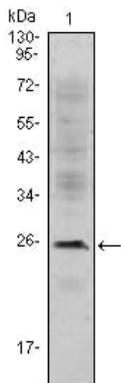
Background

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

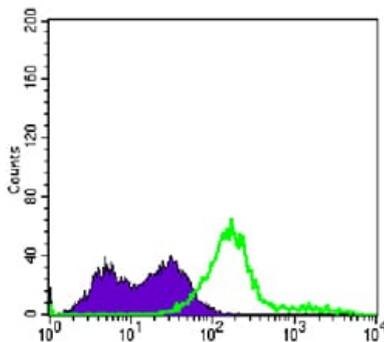
epsilon, gamma and delta polypeptides are located in the same cluster on chromosome 11. The epsilon polypeptide plays an essential role in T-cell development. Defects in this gene cause immunodeficiency. This gene has also been linked to a susceptibility to type I diabetes in women.

Research Area

Image Data



Western blot analysis using CD3E mouse mAb against Jurkat (1) cell lysate.



Flow cytometric analysis of Jurkat cells using CD3E mouse mAb (green) and negative control (purple).