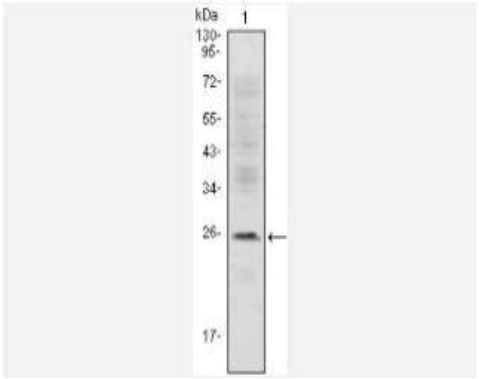
PRODUCT DATA SHEET

CD3E Monoclonal Antibody

Catalog No.	IMB0020
Reactivity	Human
Applications	WB; FCM; ELISA
Gene Name	CD3E
Protein Name	T-cell surface glycoprotein CD3 epsilon chain
Human Gene Id	916
Swiss-Prot	P07766
Formulation	Ascitic fluid containing 0.03% sodium azide,0.5% BSA, 50%glycerol.
Source	Monoclonal, Mouse
Dilution	WB: 1:500-1:2000 FCM: 1:200-1:400 ELISA: 1:10000
PurIF:ication	Affinity purIF:ication
Concentration	-
Storage&Stability	-20°C/1 year
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.
Subcellular Location.	Cell membrane; Single-pass type I membrane protein.
BiowMW	-

Products Images:



Western Blot analysis using CD3E Monoclonal Antibody against Jurkat (1) cell lysate.

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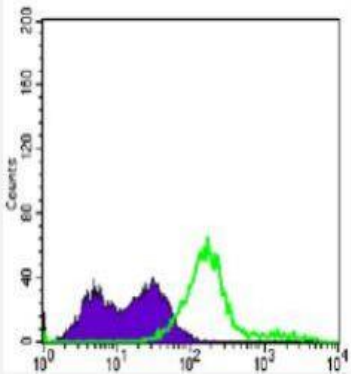

Flow cytometric analysis of Jurkat cells using CD3E Monoclonal Antibody (green) and negative control (purple).