

## Mouse Monoclonal Antibody to CD3E

Catalogue Number	sAP-0389
Target Molecule	<b>Name: CD3E</b> <b>Aliases:</b> T3E; TCRE; FLJ18683; CD3E <b>MW: 23kDa</b> <b>Entrez Gene ID: 916</b>
Description	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.
Immunogen	Purified recombinant fragment of CD3E expressed in E. Coli.
Recitative Species	Human
Clone	MM4E2;
Size and Concentration	100µg/1mg/ml
Supplied as	Lyophilized Powder from 100µl of Ascitic fluid containing 0.03% sodium azide.
Reconstitution/Storages	Reconstituted with 100µl sterile DI H <sub>2</sub> O, at stored at 4°C or -20°C for short or long term storage
Applications	ELISA: 1 to 10000; WB: 1 to 500 - 1 to 2000; FCM: 1 to 200 - 1 to 400
Shipping	Regular FEDEX overnight shipment (ambient temperature)
Reference	1. Nat Methods. 2005 Aug;2(8):591-8. ; 2. J Cell Physiol. 2006 Dec;209(3):695-700. Review. ; 3. J Biol Chem. 2006 Dec 1;281(48):36977-84. Epub 2006 Oct 5.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**