



Anti-CD3E monoclonal antibody, clone 611B3 (CABT-24299HM)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen 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.

Hamster monoclonal antibody raised against native Cd3e.

Immunogen Native Cd3e from mouse T cell receptor complexes.

Isotype IgG

Source/Host Armenian Hamster

Species Reactivity Mouse

Clone 611B3

Conjugate Unconjugated

Applications IP, Flow Cyt

Format Liquid

Size 100 µg

Buffer In 100 mM BBS, pH 8.2

Preservative None

Storage

Store at 4°C.

GENE INFORMATION

Gene Name	CD3E CD3e molecule, epsilon (CD3-TCR complex) [Homo sapiens]
Official Symbol	Cd3e
Synonyms	FLJ18683; TCRE; T3E; 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; CD3-epsilon; OTTHUMP00000234559; OTTHUMP00000234560; CD3e antigen, epsilon polypeptide (TiT3 complex)
Entrez Gene ID	916
Protein Refseq	NP_000724
UniProt ID	P07766
Chromosome Location	11q23
Pathway	Adaptive Immunity Signaling, organism-specific biosystem; CXCR4-mediated signaling events, organism-specific biosystem; Chagas disease (American trypanosomiasis), organism-specific biosystem; Chagas disease (American trypanosomiasis), conserved biosystem; Costimulation by the CD28 family, organism-specific biosystem; Downstream TCR signaling, organism-specific biosystem
Function	SH3 domain binding; T cell receptor binding; protein binding; protein heterodimerization activity; protein kinase binding; receptor signaling complex scaffold activity; receptor signaling protein activity; transmembrane receptor activity