



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