

RecomAb™

CD3E recombinant monoclonal antibody, clone UCHT1

Catalog # RAB00009 Size 200 ug

Specification

Product Description Mouse recombinant monoclonal antibody raised against human CD3E.

Antibody Species Mouse

Immunogen Original antibody is raised against human infant thymocytes.

Reactivity Human

Form Liquid

Purification Protein A affinity purification

Isotype IgG1, kappa

Recommend Usage Flow Cytometry (1 ug/mL)
Immunohistochemistry (5 ug/mL)
The optimal working dilution should be determined by the end user.

Storage Buffer In PBS, pH 7.2 (0.02% Proclin 300)

Storage Instruction Store at 4°C for up to 3 months. For long term storage store at -20°C.
Aliquot to avoid repeated freezing and thawing.

Applications

- Immunohistochemistry
- Flow Cytometry

Gene Info — CD3E

Entrez GeneID

[916](#)

Protein Accession#	P07766
Gene Name	CD3E
Gene Alias	FLJ18683, T3E, TCRC
Gene Description	CD3e molecule, epsilon (CD3-TCR complex)
Omim ID	186830
Gene Ontology	Hyperlink
Gene Summary	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. [provided by RefSeq]
Other Designations	CD3-epsilon CD3E antigen, epsilon polypeptide CD3e antigen, epsilon polypeptide (TiT3 complex) 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

Pathway

- [Hematopoietic cell lineage](#)
- [Primary immunodeficiency](#)
- [T cell receptor signaling pathway](#)

Disease

- [Asthma](#)
- [Cardiovascular Diseases](#)
- [Celiac Disease](#)
- [Depressive Disorder](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)

- [Inflammation](#)