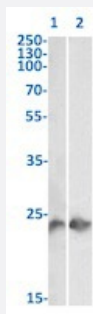


RecomAb™

CD3E recombinant monoclonal antibody, clone UCHT1

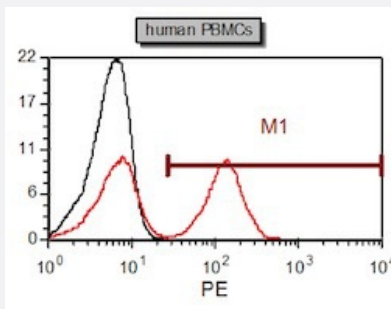
Catalog # RAB03259 Size 200 ug

Applications



Western Blot

Western blot analysis of Lane1: Jurkat and Lane 2: Molt4 lysates with CD3E recombinant monoclonal antibody, clone UCHT1 (Cat # RAB03259).



Flow Cytometry

Flow cytometric analysis of human PBMCs with CD3E recombinant monoclonal antibody, clone UCHT1 (Cat # RAB03259).

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
Isotype	IgG1 kappa

Recommend Usage

Flow Cytometry
Immunohistochemistry
Western Blot
The optimal working dilution should be determined by the end user.

Storage Buffer

In PBS (0.02% Proclin 300)

Storage Instruction

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

Applications

- Western Blot

Western blot analysis of Lane 1: Jurkat and Lane 2: Molt4 lysates with CD3E recombinant monoclonal antibody, clone UCHT1 (Cat # RAB03259).

- Immunohistochemistry

- Flow Cytometry

Flow cytometric analysis of human PBMCs with CD3E recombinant monoclonal antibody, clone UCHT1 (Cat # RAB03259).

Gene Info — CD3E

Entrez GeneID[916](#)**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](#)