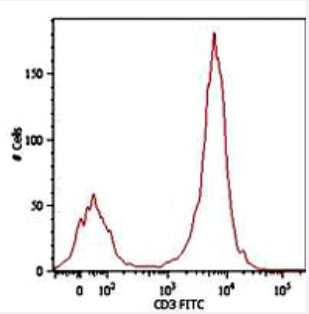
CD3E monoclonal antibody, clone MEM-57

Catalog # MAB0870 Size 100 ug

Applications



Flow Cytometry

Surface staining of human peripheral blood cells as Jurkat with CD3E monoclonal antibody, clone MEM - 57 (Cat # MAB0870) . Cells in the lymphocyte gate were used for analysis.

Specification

Product Description	Mouse monoclonal antibody raised against native CD3E.
Immunogen	Native purified CD3E from human thymocytes and T lymphocytes.
Host	Mouse
Reactivity	Human
Specificity	This antibody reacts with gamma-epsilon and delta-epsilon dimers of human CD3 complex, a part of a bigger multisubunit T cell receptor complex (CD3/TCR) expressed on peripheral blood T lymphocyt es and mature thymocytes.
Form	Liquid
Isotype	IgG2a
Recommend Usage	The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.4 (0.09% sodium azide)
Storage Instruction	Store at 4°C. Do not freeze. Aliquot to avoid repeated freezing and thawing.

Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Immunoprecipitation
- Flow Cytometry

  Surface staining of human peripheral blood cells as Jurkat with CD3E monoclonal antibody, clone MEM - 57 (Cat # MAB0870) . Cells in the lymphocyte gate were used for analysis.

Gene Info — CD3E

Entrez GeneID	916
Gene Name	CD3E
Gene Alias	FLJ18683, T3E, TCRE
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-gam ma, -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 recognitio n to several intracellular signal-transduction pathways. The genes encoding the epsilon, gamma a nd delta polypeptides are located in the same cluster on chromosome 11. The epsilon polypeptid e plays an essential role in T-cell development. Defects in this gene cause immunodeficiency. Thi s 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 compl ex)|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