

CD3E polyclonal antibody

Catalog # PAB9003

Size 100 ug

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of CD3E.
Immunogen	A synthetic peptide (conjugated with KLH) corresponding to amino acids 186-206 of human CD3E.
Sequence	DYEPKRGQRDLYSGLNQRR
Host	Rabbit
Reactivity	Human, Mouse, Rat
Form	Liquid
Quality Control Testing	Antibody Reactive Against Synthetic Peptide.
Recommend Usage	ELISA (1:2000) Dot Blot (1:2000) Western Blot (1:500-1:1000) Immunohistochemistry (1:200-1:250) The optimal working dilution should be determined by the end user.
Storage Buffer	In buffer containing 0.02% sodium azide
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot
- Immunohistochemistry
- Enzyme-linked Immunoabsorbent Assay

- Dot Blot

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-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

Publication Reference

- [Progressive loss of CD3 expression after HTLV-I infection results from chromatin remodeling affecting all the CD3 genes and persists despite early viral genes silencing.](#)
Akl H, Badran B, Dobirta G, Manfouo-Foutsop G, Moschitta M, Merimi M, Burny A, Martiat P, Willard-Gallo KE.
Virology Journal 2007 Sep; 4:85.

Application: Flow Cyt, Human, WE17/10 cells
- [Human CD3-epsilon gene contains three minixons and is transcribed from a non-TATA promoter.](#)
Clevers HC, Dunlap S, Wileman TE, Terhorst C.
PNAS 1988 Nov; 85(21):8156.

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](#)