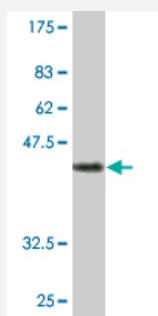


CD3E monoclonal antibody (M01), clone 3H5

Catalog # H00000916-M01

Size 100 ug

Applications



Western Blot detection against Immunogen (46.09 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a full-length recombinant CD3E.
Immunogen	CD3E (AAH49847.1, 23 a.a. ~ 207 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	DGNEEMGGITQTPYKVSISGTTVILTCPQYPGSEILWQRNDKNIGGDEDDKNIGSDEDHLSLKEFSE LEQSGYYVCYPRGSKPEDANFYLYLRARVCENCMEMDVMSVATVIVDICITGGLLLLVIYWSKNR KAKAKPVTRGAGAGGRQRGQNKERPPVPNPDYEPKRGQRDLYSGLNQRRRI
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (65); Rat (61)
Isotype	IgG2b Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (46.09 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

Gene Info — CD3E

Entrez GeneID [916](#)

GeneBank Accession# [BC049847](#)

Protein Accession# [AAH49847.1](#)

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](#)