Mouse anti-Human CD3E Monoclonal Antibody | anti-CD3E antibody

CD3E Mouse mAb

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA62398	**Mouse**	**Human**	**Flow Cytometry, Functional Assay, Immunoprecipitation, Western Blot**

PRODUCT SYNONYMS

CD3E; Monoclonal Antibody; CD3E Mouse mAb; CD247; CD247 antigen; zeta subunit; CD3 antigen; delta subunit; CD3 delta; CD3-epsilon; CD3d; CD3d antigen; delta polypeptide (TiT3 complex); CD3d molecule; delta (CD3-TCR complex); CD3e; CD3e antigen; epsilon polypeptide (TiT3 complex); CD3e molecule; epsilon (CD3-TCR complex); CD3g; CD3g antigen; gamma polypeptide (TiT3 complex); CD3g molecule; gamma (CD3-TCR complex); CD3Z antigen; zeta polypeptide (TiT3 complex); CD3zeta chain; FLJ18683; OKT3; delta chain; T-cell antigen receptor complex; epsilon subunit of T3; gamma subunit of T3; zeta subunit of CD3; T-cell receptor T3 delta chain; T-cell receptor T3 gamma chain; T-cell receptor T3 zeta chain; T-cell surface antigen T3/Leu-4 epsilon chain; T-cell surface glycoprotein CD3 delta chain; T-cell surface glycoprotein CD3 epsilon chain; T-cell surface glycoprotein CD3 gamma chain; T-cell surface glycoprotein CD3 zeta chain; T3E; TCR zeta chain; TCRE; CD3-DELTA; CD3-GAMMA; CD3-ZETA; CD3D; CD3G; CD3H; CD3Q; CD3Z; IMD17; IMD18; IMD19; IMD25; T3D; T3G; T3Z; TCRZ; anti-CD3E antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG
Sequence Length	207
Applicable Applications for anti-CD3E antibody	FCM/FACS (Flow Cytometry), IP (Immunoprecipitation), WB (Western Blot)
Source Note	This monoclonal antibody is produced by immunizing mice with a sythetic peptide(KLH coupled)corresponding to amino-terminal residues of human

IMAGES

FCM/FACS (Flow Cytometry)
Flow cytometric analysis of 2% paraformaldehyde-fixed Jurkat (Human T cell leukemia cells from peripheral blood) cells labeling CD3E with M25009 at 1/200 dilution (red) compared with a mouse monoclonal IgG isotype control (black) and an unlabelled control (cells without incubation with primary antibody, blue). Goat anti-mouse IgG (FITC) at 1/300 dilution was used as the secondary antibody.

IP (Immunoprecipitation)
CD3E was immunoprecipitated from 1mg of Jurkat cells membrane fraction, blotted with M25009 of 10 ug. Western blot was performed from the immunopre-cipitate using M25009 at 1/1000 dilution. Anti-Mouse-IgG(HRP), specific to the non-reduced form of IgG, was used as secondary antibody at 1/10000 dilution. Lane 1: Jurkat cells membrane fraction. Lane2: IP product of Jurkat cells membrane fraction.Predicted band size : 23 KDaObserved band size : 23 KDaBlocking and dilution buffer and concentration:5% milk/TBST.

WB (Western Blot)

ADDITIONAL INFORMATION

Related Product Information for anti-CD3E antibody	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.
Product Categories/Family for anti-CD3E antibody	Cell Marker; Subcellular Marker; Membrane

NCBI AND UNIPROT INFORMATION

NCBI GI #	4502671
NCBI GeneID	916
NCBI Accession #	NP_000724.1
NCBI GenBank Nucleotide #	NM_000733.3
UniProt Accession #	P07766; A8K997
Molecular Weight	Predicted MW: 23kDa
NCBI Official Full Name	T-cell surface glycoprotein CD3 epsilon chain
NCBI Official Synonym Full Names	CD3e molecule
NCBI Official Symbol	CD3E
NCBI Official Synonym Symbols	T3E; TCRE; IMD18
NCBI Protein Information	T-cell surface glycoprotein CD3 epsilon chain
UniProt Protein Name	T-cell surface glycoprotein CD3 epsilon chain
UniProt Gene Name	**CD3E**
UniProt Synonym Gene Names	T3E

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: https://stage.aaabiotech.com/monoclonal/cd3e-antibody-flow-cytometry-immunoprecipitation-western-blot-elisa/62398