

Mouse anti-Human CD3 Monoclonal Antibody | anti-CD3E antibody

CD3 (T-Cell Marker) Mouse Monoclonal Antibody

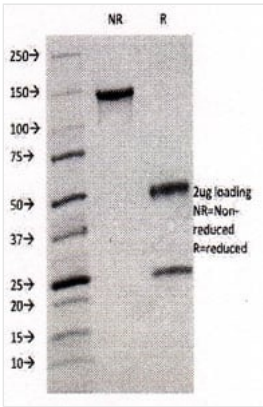
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA62812	Mouse	Human	Immunofluorescence, Flow Cytometry, Functional Assay

PRODUCT SYNONYMS

CD3; Monoclonal Antibody; CD3 (T-Cell Marker) Mouse Monoclonal Antibody; CD3E; CD3 epsilon; CD3 TCR complex; 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; T3E; TCRE; TiT3 complex; anti-CD3E antibody

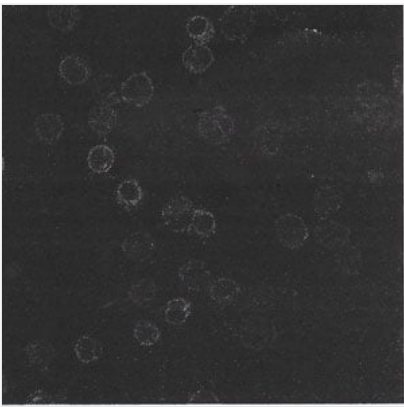
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1, kappa
Clone Number	B-B12
Specificity	Reacts with five invariable CD3 chains (designated as ϵ and δ) with molecular weight ranging from 16-28kDa. CD3 is expressed, typically at high levels, on peripheral T cells and majority of T cell neoplasms. Thymocytes express CD3 at different level on the cell surface in the course of differentiation and, in cortical thymus, CD3 is predominantly Intracytoplasmic. The CD3 complex is closely associated at the lymphocyte cell surface with T cell antigen receptor (TCR) and is involved in transducing antigen-recognition signals into cytoplasm of T cells and in regulating the cell surface expression of the TCR complex.
Form/Format	200ug/ml of Ab purified from rabbit anti-serum by Protein A. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA at 1.0mg/ml.
Sequence Length	207
Applicable Applications for anti-CD3E antibody	IF (Immunofluorescence), FCM/FACS (Flow Cytometry)
Cellular Localization	Cell Surface and Cytoplasmic
Immunogen	Human T cell leukemia cells
Human Chromosome Location	11q23.3
Positive Control	Jurkat cells. Tonsil and lymph node
Preparation and Storage	Antibody with azide - store at 2 to 8 degree C. Antibody without azide - store at -20 to -80 degree C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.



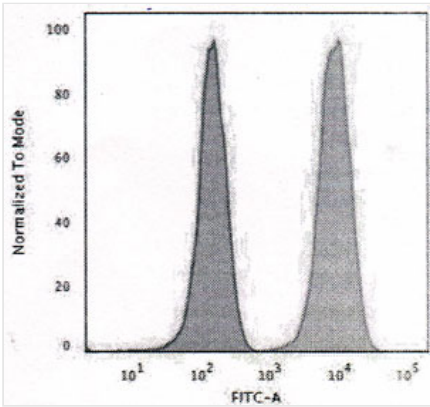
SDS-PAGE

Purified CD3e Mouse Monoclonal Antibody (B-B12). Confirmation of Integrity and Purity of Antibody.



IF (Immunofluorescence)

Immunofluorescence Analysis of Jurkat cells labeling CD3e with CD3e Mouse Monoclonal Antibody (B-B12) followed by Goat anti-mouse IgG-CF488 (Green). The nuclear counterstain is Reddot (Red).



FCM/FACS (Flow Cytometry)

Flow Cytometric Analysis of Jurkat cells. CD3e Mouse Monoclonal Antibody (B-B12) followed by Goat anti-mouse IgG-CF488 (Blue); Isotype Control (Red)

ADDITIONAL INFORMATION

References	Kishimoto T. et al., eds. Leukocyte Typing VI, p44-48 and p1111, Garland Publishing, Inc, New York and London, 1997. Meuer SC et al. Evidence for the T3-associated 90K heterodimer as the T-cell antigen receptor. Nature 1983, 303(5920):808-810 Reinherz et al., Cell 30, 715, (1982) Borst et al., J. Biol. Chem. 258, 5135, (1983) Van den Elsen et al., Nature 312, (1984) Furlley et al., Cell 46, 75, (1986) Gold et al., Nature 321, 4, (1986) Oettgen and Terhorst, Hum. Immunol. 18, 187, (1987) Clevers et al., Ann. Rev. Immunol. 6, 629, (1988)
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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	20kDa
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
UniProt Entry Name	CD3E_HUMAN

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.

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Online datasheet: <https://www.aaabiotech.com/monoclonal/cd3-antibody-clone-b-b12-immunofluorescence-flow-cytometry-elisa/62812>