Mouse anti-Human CD3e (T-Cell Marker) Monoclonal Antibody | anti-CD3e antibody

CD3e (T-Cell Marker) Mouse Monoclonal Antibody [Clone C3e/1308]

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA214474	**Mouse**	**Human**	**Immunohistochemistry, Western Blot, Immunofluorescence, Flow Cytometry, Functional Assay**

PRODUCT SYNONYMS

CD3e (T-Cell Marker); Monoclonal Antibody; CD3e (T-Cell Marker) Mouse Monoclonal Antibody [Clone C3e/1308]; CD 3E; CD3 epsilon; CD3 TCR complex; CD3E; 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	IgG2b, kappa
Clone Number	C3e/1308
Specificity	Recognizes the epsilon-chain of CD3, which consists of five different polypeptide chains (designated as gamma, delta, epsilon, zeta, and eta) with MW ranging from 16-28kDa. The CD3 complex is closely associated at the lymphocyte cell surface with the T cell antigen receptor (TCR). Reportedly, CD3 complex is involved in signal transduction to the T cell interior following antigen recognition. The CD3 antigen is first detectable in early thymocytes and probably represents one of the earliest signs of commitment to the T cell lineage. In cortical thymocytes, CD3 is predominantly intra-cytoplasmic. However, in medullary thymocytes, it appears on the T cell surface. CD3 antigen is a highly specific marker for T cells, and is present in majority of T cell neoplasms.
Form/Format	200ug/ml of Ab purified from rabbit anti-serum by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA at 1.0mg/ml.
Applicable Applications for anti-CD3e antibody	IHC (Immunohistochemistry), WB (Western Blot), IF (Immunofluorescence), FCM/FACS (Flow Cytometry)
Immunogen	Recombinant human CD3e fragment (aa 23-119)
Human Chromosome Location	11q23.3
Cellular Localization	Cell surface and cytoplasmic
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.

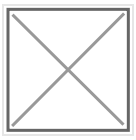
IMAGES



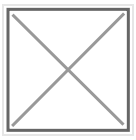
FCM/FACS (Flow Cytometry)
Flow Cytometric Analysis of Jurkat cells using CD3e Monoclonal Antibody (C3e/1308) followed by Goat anti-mouse IgG-CF488(Blue); Isotype Control (Red).



WB (Western Blot)
Western Blot Analysis of human Jurkat cell lysate using CD3e Monoclonal Antibody (C3e/1308).



SDS-PAGE
SDS-PAGE Analysis Purified CD3 epsilon Monoclonal Antibody (C3e/1308). Confirmation of Integrity and Purity of Antibody.



WB (Western Blot)
Western Blot of recombinant CD3e and Jurkat Cell Lysate using CD3e Monoclonal Antibody (C3e/1308

ADDITIONAL INFORMATION

References	Cibull ML et. al. Histopathology, 1989, 15(6):599-605. Mason DY et. al. Journal of Clinical Pathology, 1989, 42(11):1194-200.

NCBI AND UNIPROT INFORMATION

NCBI GeneID	916
UniProt Accession #	P07766
Molecular Weight	20kDa

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-t-cell-marker-antibody-clone-c3e-1308-immunohistochemistry-western-blot-immunofluorescence-flow-cytometry-elisa/214474