Mouse CD3e Monoclonal Antibody | anti-CD3e antibody

CD3e (T-Cell Marker)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA214572	**Mouse**	**Human, Chimpanzee**	**Immunohistochemistry, ELISA**

PRODUCT SYNONYMS

CD3e; Monoclonal Antibody; CD3e (T-Cell Marker); CD3 epsilon; CD3 TCR 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, Chimpanzee
Clonality	Monoclonal
Isotype	IgG1, kappa
Clone Number	C3e/2478
Specificity	Recognizes the -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 Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Sequence Length	207
Applicable Applications for anti-CD3e antibody	IHC (Immunohistochemistry), ELISA
Immunogen	Recombinant fragment human CD3e (around aa 23-119)
Cellular Localization	Cell Surface and Cytoplasmic
Hu-chromosome Location	11q23.3
Positive Control	Human peripheral blood. Jurkat cells. Tonsil or 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

SDS-PAGE
SDS-PAGE Analysis Purified CD3e Mouse Monoclonal Antibody (C3e/2478). Confirmation of Integrity and Purity of Antibody.

IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded human Spleen stained with CD3e Mouse Monoclonal Antibody (C3e/2478).

ADDITIONAL INFORMATION

References	Mason DY et. al. Journal of Clinical Pathology, 1989, 42(11):1194-200. Beverley PC, Callard RE. Eur J Immunol. 1981; 11(4):329-334.

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

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-clone-c3e-2478-immunohistochemistry-elisa/214572