

Mouse anti-Human CD3e Monoclonal Antibody | anti-CD3E antibody

Monoclonal Antibody to CD3e (ABM45B3)

CATALOG # AAA78264	HOST Mouse	REACTIVITY Human	APPLICATIONS Western Blot, Immunohistochemistry
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PRODUCT SYNONYMS

CD3e; Monoclonal Antibody; Monoclonal Antibody to CD3e (ABM45B3); CD3E; T3E; T-cell surface antigen T3/Leu-4 epsilon chain; Antibody to CD3e; Anti-CD3e Antibody; CD3e Antibody; anti-CD3E antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG2b Kappa
Clone Number	ABM45B3
Purity/Purification	Purified Protein G Chromatography
Form/Format	25 ug in 50 ul/100 ug in 200 ul PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly toxic.
Sequence Length	207
Applicable Applications for anti-CD3E antibody	WB (Western Blot), IHC (Immunohistochemistry)
Immunogen Information	A partial length recombinant CD3e protein (amino acids 2-203) was used as the immunogen for this antibody.
Antigen	CD3e
Preparation and Storage	Store the antibody at 4 degree C, stable for 6 months. For long-term storage, store at -20 degree C. Avoid repeated freeze and thaw cycles.

IMAGES



WB (Western Blot)

Fig-2: Western blot analysis of CD3e. Anti-CD3e antibody (Clone: ABM45B3) was tested at 0.5 ug/ml on recombinant and Jurkat lysates.



IHC (Immunohistochemistry)

Fig-1: Immunohistochemical analysis of CD3e in human Tonsil tissue using CD3e antibody (Clone: ABM45B3) at 5 ug/ml.

ADDITIONAL INFORMATION

Related Product Information for anti-CD3E antibody	CD3e (CD3-epsilon), 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 gene for CD3e have been mapped to band q23 of chromosome 11 in humans and consisted of nine exons. Three exons, encoding the junction of leader peptide and mature protein, are extremely small. The CD3e cytoplasmic tail, highly conserved, can be tentatively subdivided into three regions; the N-terminal region contains a basic amino acid cluster, the central region contains a proline-rich sequence, and the C-terminal region contains the ITAM. Among the CD3 subunits, CD3e is the most likely candidate for performing a critical role in the TCR signaling response. CD3e is represented twice in the TCR complex, serving as a component of both the gamma/epsilon and delta/epsilon dimers. In addition, after TCR cross-linking, CD3e and zeta are the predominant tyrosine-phosphorylated TCR subunits.
Product Categories/Family for anti-CD3E antibody	Antibodies; Cancer Marker

NCBI AND UNIPROT INFORMATION

NCBI GI #	1345708
NCBI GeneID	916
UniProt Accession #	P07766; A8K997
Molecular Weight	23,147 Da
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.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/cd3e-antibody-clone-abm45b3-western-blot-immunohistochemistry-elisa/78264>