

anti-Mouse CD3 Monoclonal Antibody | anti-CD3E antibody

Anti-Ms CD3 FITC

CATALOG # AAA128266	HOST Armenian Hamster	REACTIVITY Mouse	APPLICATIONS Flow Cytometry, Functional Assay
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PRODUCT SYNONYMS

CD3; Monoclonal Antibody; Anti-Ms CD3 FITC; CD3 antigen; epsilon polypeptide; CD3E; T3E; TCRE; anti-CD3E antibody

PRODUCT SPECIFICATIONS

Host	Armenian Hamster
Reactivity	Mouse
Clonality	Monoclonal
Isotype	IgG kappa
Clone Number	145-2C11
Specificity	The Armenian hamster monoclonal antibody 145-2C11 reacts with an extracellular epitope of murine CD3 (epsilon subunit). This antibody is commonly used as a phenotypic marker for murine T cells.
Purity/Purification	The purified antibody is conjugated with fluorescein isothiocyanate (FITC) under optimum conditions. The conjugate is purified by size-exclusion chromatography.
Form/Format	Phosphate buffered saline (PBS) solution with 15 mM sodium azide
Concentration	0.5 mg/ml (varies by lot)
Sequence Length	189
Applicable Applications for anti-CD3E antibody	FCM/FACS (Flow Cytometry)
Immunogen	Mouse BM10-37 cytotoxic T lymphocytes
Conjugation	FITC
Preparation and Storage	Store in the dark at 2-8 degree C. Do not freeze. Avoid prolonged exposure to light.

ADDITIONAL INFORMATION

Related Product Information for anti-CD3E antibody	CD3 complex is crucial in transducing antigen-recognition signals into the cytoplasm of T cells and in regulating the cell surface expression of the TCR complex. T cell activation through the antigen receptor (TCR) involves the cytoplasmic tails of the CD3 subunits CD3 gamma, CD3 delta, CD3 epsilon and CD3 zeta. These CD3 subunits are structurally related members of the immunoglobulins super family encoded by closely linked genes on human chromosome 11. The CD3 components have long cytoplasmic tails that associate with cytoplasmic signal transduction molecules. This association is mediated at least in part by a double tyrosine-based motif present in a single copy in the CD3 subunits. CD3 may play a role in TCR-induced growth arrest, cell survival and proliferation. The CD3 antigen is present on 68-82% of normal peripheral blood lymphocytes, 65-85% of thymocytes and Purkinje cells in the cerebellum. It is never expressed on B or NK cells. Decreased percentages of T lymphocytes may be observed in some autoimmune diseases.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	6680886
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NCBI GeneID	12501
NCBI Accession #	NP_031674.1
NCBI GenBank Nucleotide #	NP_031674.1
UniProt Accession #	P22646
NCBI Official Full Name	T-cell surface glycoprotein CD3 epsilon chain
NCBI Official Synonym Full Names	CD3 antigen, epsilon polypeptide
NCBI Official Symbol	Cd3e
NCBI Official Synonym Symbols	CD3; T3e; AI504783; CD3epsilon
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 Entry Name	CD3E_MOUSE

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://www.aaabiotech.com/monoclonal/cd3-antibody-clone-145-2c11-flow-cytometry-elisa/128266>