

anti-Mouse CD3epsilon Monoclonal Antibody | anti-CD3E antibody

Anti-Mouse CD3epsilon Monoclonal Antibody (APC Conjugated) [145-2C11]

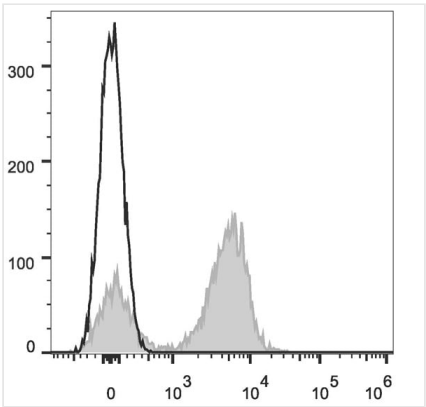
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA174745	Armenian Hamster	Mouse	Flow Cytometry, Functional Assay

PRODUCT SYNONYMS

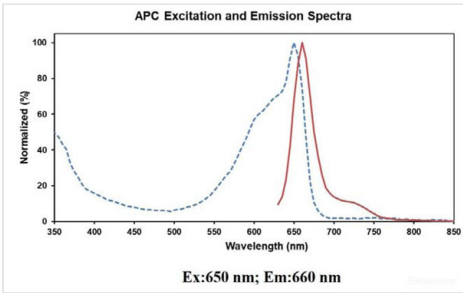
CD3epsilon; Monoclonal Antibody; Anti-Mouse CD3epsilon Monoclonal Antibody (APC Conjugated) [145-2C11]; T-cell surface glycoprotein CD3 epsilon chain; T-cell surface antigen T3/Leu-4 epsilon chain; CD3e; CD3E; T3E; anti-CD3E antibody

PRODUCT SPECIFICATIONS

Host	Armenian Hamster
Reactivity	Mouse
Clonality	Monoclonal
Isotype	IgG
Clone Number	145-2C11
Form/Format	Liquid; PBS with 0.05% Proclin300, 1% BSA
Concentration	0.2 mg/mL (varies by lot)
Sequence Length	189
Applicable Applications for anti-CD3E antibody	FCM/FACS (Flow Cytometry)
Conjugation	APC
Isotype Control	APC Armenian Hamster IgG Isotype Control[PIP]
Important Note	Centrifuge before opening to ensure complete recovery of vial contents.
Preparation and Storage	Shipping: Biological ice pack at 4 degree C. Stability & Storage: Keep as concentrated solution. Store at 2~8 degree C and protected from prolonged exposure to light.Do not freeze. This product is guaranteed up to one year from purchase.



Application Data
C57BL/6 murine splenocytes are stained with Anti-Mouse CD3epsilon Monoclonal Antibody(APC Conjugated)(filled gray histogram). Unstained splenocytes (empty black histogram) are used as control.



Fluorophore
Conjugation: APCRecommended usage:Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. Please check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for individual use. We suggest each investigator should titrate the reagent to obtain optimal results or refer to the dilution we used in the experiment.

ADDITIONAL INFORMATION

Related Product Information for anti-CD3E antibody	CD3epsilon is a 20 kD transmembrane protein, also known as CD3 or T3. It is a member of the Ig superfamily and primarily expressed on T cells, NK-T cells, and at different levels on thymocytes during T cell differentiation. CD3epsilon forms a TCR complex by associating with the CD3delta, gamma and zeta chains, as well as the TCR alpha/beta or gamma/delta chains. CD3 plays a critical role in TCR signal transduction, T cell activation, and antigen recognition by binding the peptide/MHC antigen complex.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	6680886
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.