



A Reliable Research Partner in Life Science and Medicine

Elab Fluor[®] 647 Anti-Mouse CD3ε Antibody[145-2C11]

Catalog Number: E-AB-F1103M

Note: Centrifuge before opening to ensure complete recovery of vial contents.

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Reactivity Mouse

Armenian Hamster Host Isotype Armenian Hamster IgG

Clone No. 145-2C11

Isotype Control Elab Fluor® 647 Armenian Hamster IgG Isotype Control[PIP] [Product E-AB-F09852M]

Conjugation Elab Fluor®647

Conjugation Information Elab Fluor® 647 is designed to be excited by the Red laser (627-640 nm) and detected

using an optical filter centered near 670 nm (e.g., a 660/20 nm bandpass filter).

Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer. Storage Buffer

Applications Recommended usage

Each lot of this antibody is quality control tested by flow cytometric analysis. The amount **FCM**

> of the reagent is suggested to be used 5 µL of antibody per test (million cells in 100 μL staining volume or per 100 μL of whole blood). Please check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for

individual use.

Preparation & Storage

Storage Keep as concentrated solution.

This product can be stored at 2-8°C for 12 months. Please protected from prolonged

exposure to light and do not freeze.

Shipping Ice bag

Antigen Information

Alternate Names CD3E;CD3e;T-cell surface antigen T3/Leu-4 epsilon chain;T-cell surface glycoprotein

CD3 epsilon chain;T3E

Uniprot ID P22646 Gene ID 12501

Background CD3 is a 20 kD transmembrane protein, also known as CD3 or T3. It is a member of

> the lg superfamily and primarily expressed on T cells, NK-T cells, and at different levels on thymocytes during T cell differentiation. CD3ɛ forms a TCR complex by associating with the CD3 δ , y and ζ chains, as well as the TCR α/β or γ/δ 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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