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PE/Cyanine7 Anti-Mouse CD3ε Antibody[145-2C11]

Catalog Number: E-AB-F1103H

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

Description

Reactivity Mouse

Host Armenian Hamster Isotype Armenian Hamster IgG

Clone No. 145-2C11

PE/Cyanine7 Armenian Hamster IgG Isotype Control[PIP] [Product E-AB-F09852H] Isotype Control

PE/Cyanine 7 Conjugation

Conjugation Information PE/Cyanine7 is designed to be excited by the Blue (488 nm), Green (532 nm) and

yellow-green (561 nm) lasers and detected using an optical filter centered near 775 nm

(e.g., a 780/60 nm bandpass filter).

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

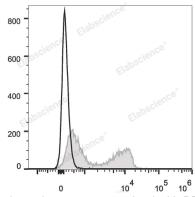
Applications Recommended usage

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

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.

Data



C57BL/6 murine splenocytes are stained with PE/Cyanine7 Anti-Mouse CD3s Antibody (filled gray histogram). Unstained splenocytes (empty black histogram) are used as control.

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

For Research Use Only

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Background

CD3s 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 , γ 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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