

A Reliable Research Partner in Life Science and Medicine

Elab Fluor® 647 Anti-Mouse CD3 Antibody[17A2]

Catalog Number: E-AB-F1013M

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

Description

Reactivity Mouse Host Rat

lsotype Rat lgG2b, κ

Clone No. 17A2

Isotype Control Elab Fluor® 647 Rat IgG2b, κ Isotype Control[LTF-2] [Product E-AB-F09842M]

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).

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

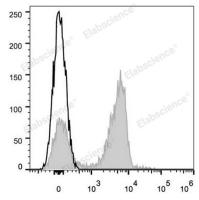
Applications Recommended usage

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 μ L of antibody per test (million cells in 100 μ L staining volume or per 100 μ L of whole blood). Please check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for individual use.

Data

control.



C57BL/6 murine splenocytes are stained with Elab Fluor[®] 647 Anti-Mouse CD3 Antibody (filled gray histogram).
Unstained splenocytes (empty black histogram) are used as

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 CD3;CD3E/D/G/Z;CD3e/d/g/z;T-cell surface glycoprotein CD 3epsilon/delta/gamma/

zeta chain

 Uniprot ID
 P04235;P11942;P22646;P24161

 Gene ID
 12500;12501;12502;12503

For Research Use Only

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Background

CD3, also known as T3, 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. CD3 is composed of CD3 ϵ , δ , γ and ζ chains. It forms a TCR complex by associating with 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.