

A Reliable Research Partner in Life Science and Medicine

Elab Fluor® Violet 540 Anti-Mouse CD3 Antibody[17A2]

Catalog Number: E-AB-F1013UT3

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

Description

Reactivity Mouse Rat Host

Isotype Rat IgG2b, ĸ

Clone No. 17A2

Isotype Control Elab Fluor[®] Violet 540 Rat IgG2b, κ Isotype Control[LTF-2] [Product E-AB-F09843T3]

Conjugation Elab Fluor® Violet 540

Conjugation Information Elab Fluor® Violet 540 is designed to be excited by the violet laser (405 nm) and detected

using an optical filter centered near 548 nm (e.g., a 572/28 nm bandpass filter).

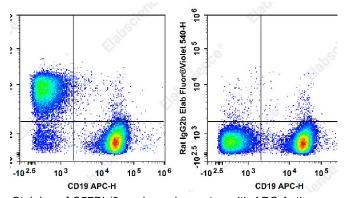
Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer. Storage Buffer

Applications Recommended usage

FCM

Each lot of this antibody is quality control tested by flow cytometric analysis. 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 [The recommended concentration is 0.1-1 μg/10⁶ cells in 100 µL volume].

Data



Staining of C57BL/6 murine splenocytes with APC Anti-

Mouse CD19 Antibody[1D3] and Elab Fluor® Violet 540 Anti-Mouse CD3 Antibody[17A2](left) or Elab Fluor® Violet 540 Rat IgG2b, κ Isotype Control(right). Total viable cells were used for analysis.

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/

Uniprot ID P04235;P11942;P22646;P24161;

For Research Use Only

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Gene ID **Background** 12500;12501;12502;12503

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.

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