

PE/Elab Fluor® 594 Anti-Mouse CD3 Antibody[17A2]

Catalog Number: E-AB-F1013P

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

Description

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|--------------------------------|---|
| Reactivity | Mouse |
| Host | Rat |
| Isotype | Rat IgG2b, κ |
| Clone No. | 17A2 |
| Isotype Control | PE/Elab Fluor® 594 Rat IgG2b, κ Isotype Control[LTF-2] [Product E-AB-F09842P] |
| Conjugation | PE/Elab Fluor® 594 |
| Conjugation Information | PE/Elab Fluor® 594 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 620 nm (e.g., a 610/20 nm bandpass filter). |
| Storage Buffer | Phosphate buffered solution, pH 7.2, containing 0.09% sodium azide and 1% BSA. |

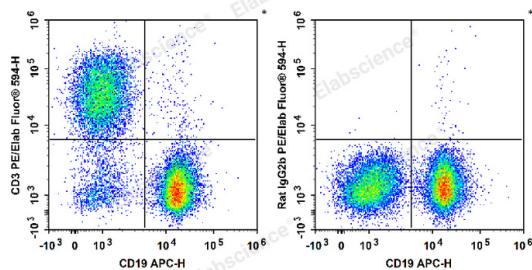
Applications

FCM

Recommended usage

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 APC Anti-

Mouse CD19 Antibody and PE/Elab Fluor® 594 Anti-Mouse CD3 Antibody (Left). Splenocytes are stained with APC Anti-

Mouse CD19 Antibody and PE/Elab Fluor® 594 Rat IgG2b, κ Isotype Control (Right).

Preparation & Storage

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|-----------------|---|
| 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

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| Alternate Names | CD3;CD3E/D/G/Z;CD3e/d/g/z;T-cell surface glycoprotein CD 3epsilon/delta/gamma/zeta chain |
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For Research Use Only

Uniprot ID

P04235;P11942;P22646;P24161

Gene ID

12502

Background

CD3, also known as T3, 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. 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.