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APC/Cyanine 7 Anti-Mouse CD3 Antibody[17A2]

Catalog Number: E-AB-F1013N

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

Description

Reactivity Mouse Rat Host

Isotype Rat IgG2b, ĸ

Clone No. 17A2

APC/Cyanine 7 Rat IgG2b, κ Isotype Control[LTF-2] [Product E-AB-F09842N] Isotype Control

APC/Cyanine 7 Conjugation

Conjugation Information APC/Cyanine 7 is designed to be excited by the Red (627-640 nm) lasers and detected

using an optical filter centered near 780 nm (e.g., a 780/60 nm bandpass filter).

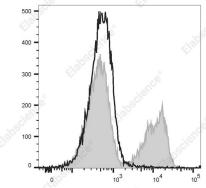
Storage Buffer Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer.

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 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



Staining of C57BL/6 murine splenocytes with APC/Cyanine 7 Anti-Mouse CD3 Antibody[17A2] (filled gray histogram) or APC/Cyanine 7 Rat IgG2b, κ Isotype Control (empty black histogram). 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 T-cell surface glycoprotein CD 3epsilon/delta/gamma/zeta chain;CD3E/D/G/Z;CD3e/d/

g/z;CD3E/D/G/Z;CD3

Uniprot ID P04235;P11942;P22646;P24161 Gene ID 12500;12501;12502;12503

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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.