

PerCP/Cyanine 5.5 Anti-Human CD3 Antibody[HIT3b]

Catalog Number: AN00644J

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

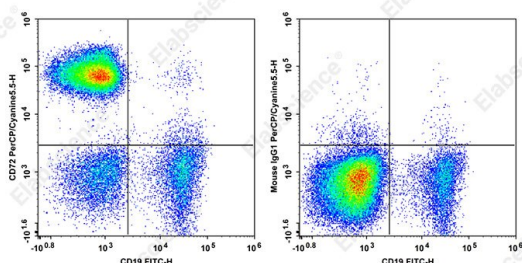
Description

| | |
|-------------------------|--|
| Reactivity | Human |
| Host | Mouse |
| Isotype | Mouse IgG1 |
| Clone No. | HIT3b |
| Isotype Control | PerCP/Cyanine5.5 Mouse IgG1, κ Isotype Control[MOPC-21] [Product E-AB-F09792J] |
| Conjugation | PerCP/Cyanine 5.5 |
| Conjugation Information | PerCP/Cyanine5.5 is designed to be excited by the blue laser (488 nm) and detected using an optical filter centered near 675 nm (e.g., a 690/50 nm bandpass filter). |
| Storage Buffer | Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer and 1% protein protectant. |

Applications

| 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 normal human peripheral blood cells with PerCP/Cyanine5.5 Anti-Human CD3 Antibody[HIT3b] and FITC Anti-Human CD19 Antibody[CB19] (left) or PerCP/Cyanine5.5 Mouse IgG1, κ Isotype Control (right). Cells in the lymphocytes gate were used for analysis.

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 | T-cell surface glycoprotein CD3 epsilon chain;CD3E;T-cell surface antigen T3/Leu-4 epsilon chain;CD3e;CD3E;T3E;AN00644 |
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Rev. V1.2

Uniprot ID

P07766

Gene ID

916

Background

CD3ε is a 20 kD chain of the CD3/T-cell receptor (TCR) complex which is composed of two CD3ε, one CD3γ, one CD3δ, one CD3ζ (CD247), and a T-cell receptor (α/β or γ/δ) heterodimer. It is found on all mature T lymphocytes, NK-T cells, and some thymocytes.

CD3, also known as T3, is a member of the immunoglobulin superfamily that plays a role in antigen recognition, signal transduction, and T cell activation.