

A Reliable Research Partner in Life Science and Medicine

Elab Fluor® 700 Anti-Mouse CD28 Antibody[37.51]

Catalog Number: E-AB-F1026M1

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

Description

Reactivity Mouse

Host Syrian Hamster Isotype Syrian Hamster IgG

Clone No. 37.51

Isotype Control Elab Fluor® 700 Syrian Hamster IgG Isotype Control[SHG-1] [Product E-AB-F09762M1]

Conjugation Elab Fluor® 700

Conjugation Information Elab Fluor® 700 is designed to be excited by the Red laser (627-640 nm) and detected

using an optical filter centered near 719 nm (e.g., a 725/40 nm bandpass filter).

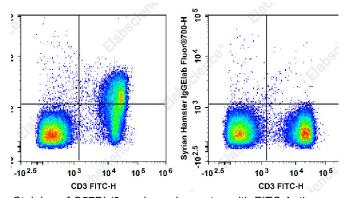
Storage Buffer Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer.

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



Staining of C57BL/6 murine splenocytes with FITC Anti-

Mouse CD3 Antibody[17A2] and Elab Fluor[®] 700 Anti-Mouse CD28 Antibody[37.51](left) or Elab Fluor[®] 700 Syrian Hamster IgG 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 $^{\circ}\text{C}$ for 12 months. Please protected from prolonged

exposure to light and do not freeze.

Shipping lce bag

Antigen Information

Alternate Names CD28;Cd28;T-cell-specific surface glycoprotein CD28

 Uniprot ID
 P31041

 Gene ID
 12487

For Research Use Only

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Background

CD28 is a 44 kD glycoprotein, also known as Tp44 or T44. It is a member of the lg superfamily, expressed on thymocytes, most peripheral T cells, and NK cells. In association with CD80 (B7-1) and CD86 (B7-2), CD28 acts as the second signal for T and NK cell activation and proliferation. The 37.51 antibody has been reported to augment in vitro T cell proliferation and cytokine production, and promote CTL development.

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