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

Catalog Number: E-AB-F1026UM1

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

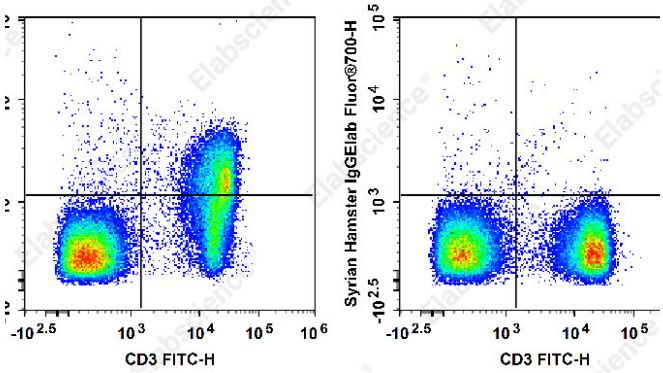
Description

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-F09763M1]
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. 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/10^6 cells in 100 μL volume].

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°C for 24 months. Please protected from prolonged exposure to light and do not freeze.
Shipping	Ice bag

Antigen Information

Alternate Names	CD28;Cd28;T-cell-specific surface glycoprotein CD28
Uniprot ID	P31041
Gene ID	12487

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Background

CD28 is a 44 kD glycoprotein, also known as Tp44 or T44. It is a member of the Ig 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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