

A Reliable Research Partner in Life Science and Medicine

# Elab Fluor® 488 Anti-Mouse CD28 Antibody[37.51]

Catalog Number: E-AB-F1026L

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

#### **Description**

Reactivity Mouse

Host Syrian Hamster Isotype Syrian Hamster IgG

37.51 Clone No.

Isotype Control Elab Fluor® 488 Syrian Hamster IgG Isotype Control[SHG-1] [Product E-AB-F09762L]

Conjugation Elab Fluor®488

**Conjugation Information** Elab Fluor® 488 is designed to be excited by the Blue laser (488 nm) and detected using

an optical filter centered near 520 nm (e.g., a 525/40 nm bandpass filter).

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

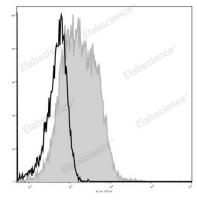
#### **Applications** Recommended usage

**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

control.



C57BL/6 murine splenocytes are stained with Elab Fluor® 488 Anti-Mouse CD28 Antibody (filled gray histogram). Unstained splenocytes (empty black histogram) are used as

#### **Preparation & Storage**

Keep as concentrated solution. **Storage** 

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** CD28;Cd28;T-cell-specific surface glycoprotein CD28

**Uniprot ID** P31041 Gene ID 12487

### For Research Use Only

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#### **Elabscience Bionovation Inc.**



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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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