

Elab Fluor® 488 Anti-Mouse CD18 Antibody[M18/2]

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|--------------------|--|---------------------|-------|
| Catalog No. | E-AB-F1113UL | Reactivity | Mouse |
| Storage | Store at 2~8°C, Avoid freeze / thaw cycles | Applications | FCM |

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

Antigen Information

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|------------------------|--|
| Alternate Names | Integrin beta-2, Itgb2, Cell surface adhesion glycoproteins LFA-1/CR3/p150+95 subunit beta, Complement receptor C3 subunit beta, CD18 |
| Uniprot ID | P11835 |
| Background | CD18 is a 95 kD protein, also known as integrin $\beta 2$ subunit. It is expressed on all leukocytes. CD18, in association with integrin α chain CD11a, CD11b, and CD11c forms LFA-1, Mac-1, and $\alpha X\beta 2$, respectively, and plays an important role in leukocytes adhesion. The CD18 integrin complexes bind ICAM-1 (CD54), ICAM-2 (CD102), ICAM-3 (CD50), iC3b, and fibrinogen. |

Product Details

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|--------------------------------|---|
| Form | Liquid |
| Concentration | 0.5 mg/mL |
| Size | 25 μ g/100 μ g |
| Clone No. | M18/2 |
| Host | Rat |
| Isotype | Rat IgG2a, κ |
| Reactivity | Mouse |
| Application | FCM |
| Isotype Control | Elab Fluor® 488 Rat IgG2a, κ Isotype Control[2A3] [Product E-AB-F09833L] |
| Storage Buffer | Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer and 1% protein protectant. |
| Shipping | Biological ice pack at 4 °C |
| Stability & Storage | Keep as concentrated solution. Store at 2~8°C and protected from prolonged exposure to light. Do not freeze. This product is guaranteed up to one year from purchase. |

For Research Use Only

Fluorophore

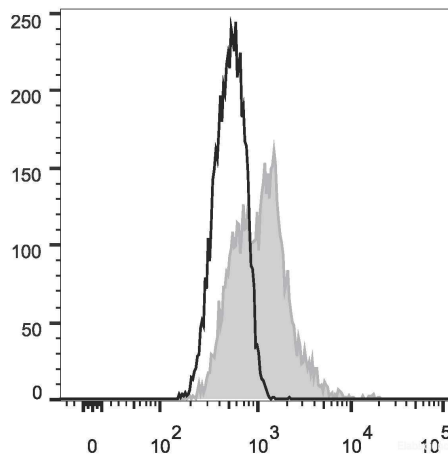
Conjugation: Elab Fluor® 488

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).

Recommended usage

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/10⁶ cells in 100 µL volume].

Product data



C57BL/6 murine splenocytes are stained with Elab Fluor® 488 Anti-Mouse CD18 Antibody (filled gray histogram). Unstained splenocytes (empty black histogram) are used as control.

Related Information

1. Sample Preparation for Flow Cytometry <https://www.elabscience.com/List-detail-5594.html>
2. Staining Cell Surface Targets for Flow Cytometry <https://www.elabscience.com/List-detail-5568.html>
3. Flow Cytometry Troubleshooting Tips <https://www.elabscience.com/List-detail-5593.html>
4. How to select the appropriate detection channel through the spectrogram? <https://www.elabscience.com/List-detail-459742.html>