

Elab Fluor® 488 Anti-Mouse CD172a/SIRP α Antibody[P84]

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|--------------------|--|---------------------|-------|
| Catalog No. | E-AB-F1286L | 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 | SIRP α , SHPS-1, BIT, P84, PTPNS1, CD172 antigen-like family member A |
| Uniprot ID | Q64314 |
| Gene ID | 19261 |
| Background | CD172a, also known as SIRP α , is a type I transmembrane protein with one V-set Ig-like and two C-set Ig-like domains in the extracellular portion, and two ITIM motifs and a proline-rich region in the cytoplasmic tail. CD172a is expressed by monocytes, macrophages, myeloid cells, and neuronal tissue. The phosphorylation of SIRP α ITIMs induces the recruitment and activation of the tyrosine phosphatases PTPN6 and PTPN11, resulting in the negative regulation of several biological processes. The ligands of CD172a are CD47, SP-A, and SP-D. |

Product Details

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|--------------------------------|---|
| Form | Liquid |
| Size | 50Tests/100Tests/100Tests \times 2 |
| Clone No. | P84 |
| Host | Rat |
| Isotype | Rat IgG1, κ |
| Reactivity | Mouse |
| Application | FCM |
| Isotype Control | Elab Fluor® 488 Rat IgG1, κ Isotype Control[HRPN] [Product E-AB-F09822L] |
| 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

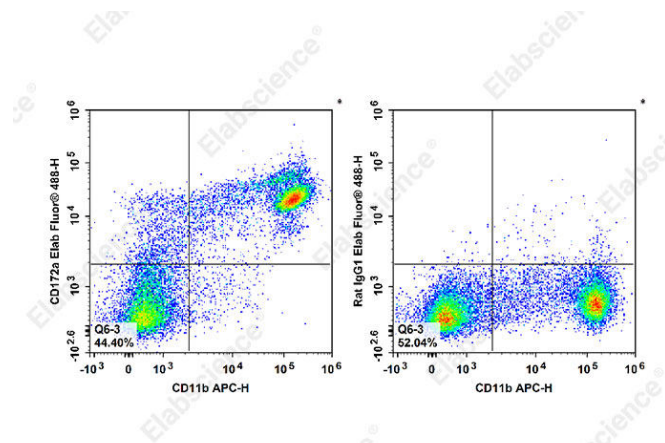
Conjugation: Elab Fluor® 488

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. **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.

Product data



Staining of C57BL/6 murine bone marrow cells with APC Anti-Mouse/Human CD11b Antibody and Elab Fluor® 488 Anti-Mouse CD172a/SIRPα Antibody[P84] (left) or Elab Fluor® 488 Rat IgG1, κ Isotype Control (right). Total viable cells were used for analysis.

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>