

Elab Fluor® 700 Anti-Mouse CD115/CSF-1R Antibody[AFS98]

Catalog Number: E-AB-F1107M1

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

Description

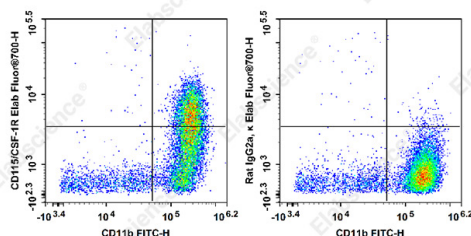
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| Reactivity | Mouse |
| Host | Rat |
| Isotype | Rat IgG2a, κ |
| Clone No. | AFS98 |
| Isotype Control | Elab Fluor® 700 Rat IgG2a, κ Isotype Control[2A3] [Product E-AB-F09832M1] |
| Conjugation | Elab Fluor® 700 |
| Conjugation Information | Elab 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 and 1% protein protectant. |

Applications

Recommended usage

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| 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. |
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Data



Staining of Balb/C murine abdominal macrophages with FITC Anti-Mouse/Human CD11b Antibody[M1/70] and Elab Fluor® 700 Anti-Mouse CD115/CSF-1R Antibody[AFS98] (left) or Elab Fluor® 700 Rat IgG2a, κ Isotype Control(right). Total viable cells were used for analysis.

Preparation & Storage

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| Storage | Keep as concentrated solution. 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

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| Alternate Names | CD115;CSF-1 receptor (EC:2.7.10.1);CSF-1-R;CSF-1R;Csf1r;Csfmr;Fms;M-CSF-R; Macrophage colony-stimulating factor 1 receptor;Proto-oncogene c-Fms |
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For Research Use Only

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Rev. V1.6

Uniprot ID

P09581

Gene ID

12978

Background

CSF-1R, also known as CD115 and M-CSFR, is a single-pass type I membrane protein and member of the platelet-derived growth factor receptor family. This c-fms (Fms proto-oncogene) gene product's natural ligands include M-CSF and IL-34. Structural studies of CD115 have described an Ig-like extracellular domain, a transmembrane domain, an intracellular juxtamembrane domain, a split tyrosine kinase domain, and a C-terminal tail receptor. Receptor activation induces homodimerization in addition to phosphorylation and ubiquitination of intracellular residues. CD115 directly influences tissue macrophage and osteoclast differentiation and proliferation. It is expressed on monocytes/macrophages, peritoneal exudate cells, plasmacytoid and conventional dendritic cells, and osteoclasts.

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