A Reliable Research Partner in Life Science and Medicine

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

Catalog Number: E-AB-F1107UM1

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

## Description

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-F09833M1]

Conjugation Elab Fluor® 700

**Conjugation Information** Elab Fluor<sup>®</sup> 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).

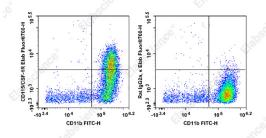
**Storage Buffer** Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer.

#### 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  $\mu$ g/10<sup>6</sup> cells in 100  $\mu$ L volume].

#### Data



Staining of Balb/C murine abdominal macrophages with FITC Anti-Mouse/Human CD11b Antibody[M1/70] and Elab

Fluor<sup>®</sup> 700 Anti-Mouse CD115/CSF-1R Antibody[AFS98] (left) or Elab Fluor<sup>®</sup> 700 Rat IgG2a, κ 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 12 months. Please protected from prolonged

exposure to light and do not freeze.

Shipping lce bag

### **Antigen Information**

Alternate Names CD115;CSF-1 receptor (EC:2.7.10.1);CSF-1-R;CSF-1R;Csffr;Csfmr;Fms;M-CSF-R;

Macrophage colony-stimulating factor 1 receptor; Proto-oncogene c-Fms

Uniprot ID P09581

# For Research Use Only

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#### Elabscience Bionovation Inc.

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Gene ID Background 12978

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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