# APC Anti-Mouse CD115/CSF-1R Antibody[AFS98]

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| **Catalog No.** | E-AB-F1107E | **Reactivity** | Mouse |
| **Storage** | Store at 2~8℃, 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** | Macrophage colony-stimulating factor 1 receptor,CSF-1 receptor (EC:2.7.10.1),CSF-1-R,CSF-1R,M-CSF-R,Proto-oncogene c-Fms,CD115,Csf1r,Csfmr,Fms |
| **Uniprot ID** | P09581 |
| **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. |

## Product Details

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| **Form** | Liquid |
| **Size** | 50Tests/100Tests/100Tests×2 |
| **Clone No.** | AFS98 |
| **Host** | Rat |
| **Isotype** | Rat IgG2a, κ |
| **Reactivity** | Mouse |
| **Application** | FCM |
| **Isotype Control** | APC Rat IgG2a, κ Isotype Control[2A3] [Product E-AB-F09832E] |
| **Storage Buffer** | Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer and 1% protein protectant. |
| **Shipping** | Biological ice pack at 4 ℃ |
| **Stability & Storage** | Keep as concentrated solution.<br>Store at 2~8℃ and protected from prolonged exposure to light.Do not freeze.<br>This product is guaranteed up to one year from purchase. |

## Fluorophore

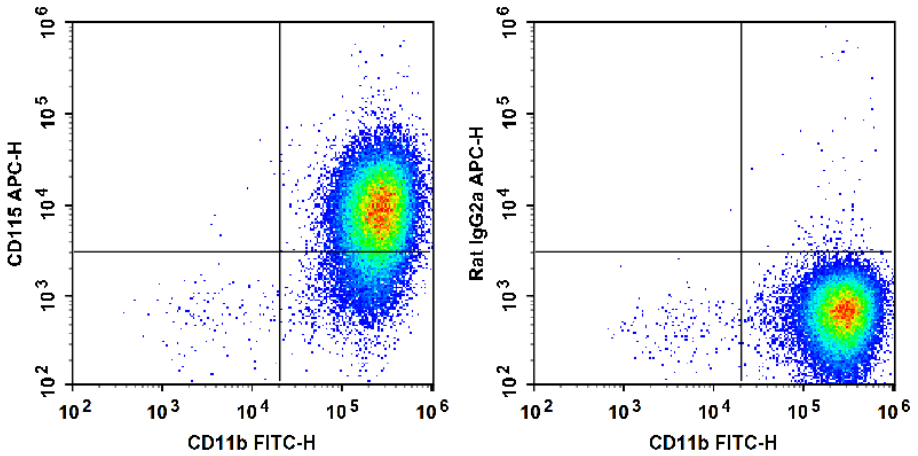
**Conjugation:** APC

APC is designed to be excited by the Red (627-640 nm) laser and detected using an optical filter centered near 660 nm (e.g., a 660/20 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




C57BL/6 murine abdominal macrophages elicited by starch broth are stained with FITC Anti-Mouse CD11b Antibody and APC Anti-Mouse CD115 Antibody (Left). Abdominal macrophages are stained with FITC Anti-Mouse CD11b Antibody and APC Rat IgG2a, κ Isotype Control (Right).

## 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