

# CD115 (c-fms) Monoclonal Antibody (AFS98), PE-Cyanine7, eBioscience™

| Product Details             |  |
|-----------------------------|--|
| Size                        | 100 µg   |
| Species Reactivity          | Mouse  |
| Published Species           | Fish, Mouse  |
| Host/Isotope                | Rat / IgG2a, kappa   |
| Recommended Isotype Control | Rat IgG2a kappa Isotype Control (eBR2a), PE-Cyanine7, eBioscience™ |
| Class                       | Monoclonal   |
| Type                        | Antibody   |
| Clone                       | AFS98  |
| Conjugate                   | PE-Cyanine7  |
| Form                        | Liquid   |
| Concentration               | 0.2 mg/mL  |
| Purification                | Affinity chromatography  |
| Storage buffer              | PBS, pH 7.2, with 0.1% gelatin                                     |
| Contains                    | 0.09% sodium azide   |
| Storage Conditions          | 4° C, store in dark, DO NOT FREEZE!                                |
| RRID                        | AB_2573386   |

| Applications          | Tested | Dilution      | Published      |
|-----------------------|--------|---------------|----------------|
| Flow Cytometry (Flow) | ✓      | 0.125 µg/test | 9 Publications |

## Product Specific Information

**Description:** The AFS98 monoclonal antibody reacts with the mouse CD115 molecule, a receptor for macrophage colony stimulating factor (M-CSF) or colony stimulating factor-1 (CSF-1). CD115 is expressed by monocyte, macrophage, osteoclast, and some epithelial cells. It is a 150 kDa c-fms gene product and belongs to immunoglobulin family. CSF-1 signaling through CSF-1R regulates the proliferation and differentiation of cells in the monocytic lineage.

**Applications Reported:** This AFS98 antibody has been reported for use in flow cytometric analysis.

**Applications Tested:** This AFS98 antibody has been tested by flow cytometric analysis of mouse BM derived macrophages. This can be used at less than or equal to 0.125 µg per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined empirically but can range from 10<sup>5</sup> to 10<sup>8</sup> cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

**Light sensitivity:** This tandem dye is sensitive photo-induced oxidation. Please protect this vial and stained samples from light.

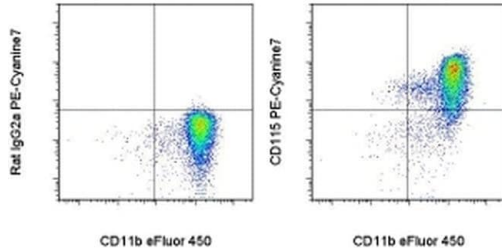
**Fixation:** Samples can be stored in IC Fixation Buffer (cat. 00-8222) (100 µL cell sample + 100 µL IC Fixation Buffer) or 1-step Fix /Lyse Solution (cat. 00-5333) for up to 3 days in the dark at 4°C with minimal impact on brightness and FRET efficiency /compensation. Some generalizations regarding fluorophore performance after fixation can be made, but clone specific

performance should be determined empirically.

Excitation: 488-561 nm; Emission: 775 nm; Laser: Blue Laser, Green Laser, Yellow-Green Laser.

Filtration: 0.2 µm post-manufacturing filtered.

## Product Images For CD115 (c-fms) Monoclonal Antibody (AFS98), PE-Cyanine7, eBioscience™



### CD115 (c-fms) Antibody (25-1152-82) in Flow

Staining of mouse bone marrow cells (cultured for 3 days with 50 ng/mL M-CSF (Product # 14-8331-80) with Anti-Mouse CD11b eFluor® 450 (Product # 48-0112-82) and 0.06 µg of Rat IgG2a K Isotype Control PE-Cyanine7 (Product # 25-4321-82) (left) or 0.06 µg of Anti-Mouse CD115 (c-fms) PE-Cyanine7 (right). Cells in the large scatter population were used for analysis.

[View more figures on thermofisher.com](#)

## 9 References

### Flow Cytometry (9)

Journal of diabetes research

#### Advanced Glycation End Products Enhance Murine Monocyte Proliferation in Bone Marrow and Prime Them into an Inflammatory Phenotype through MAPK Signaling.

"Published figure using CD115 (c-fms) monoclonal antibody (Product # 25-1152-82) in Flow Cytometry"

Authors: Jin X,Liu L,Zhang Y,Xiang Y,Yin G,Lu Y,Shi L,Dong J,Shen C

Species

Not Applicable

Dilution

Not Cited

Year

2018

Journal of cellular physiology

#### Bone loss in C57BL/6J-OlaHsd mice, a substrain of C57BL/6J carrying mutated alpha-synuclein and multimerin-1 genes.

"Published figure using CD115 (c-fms) monoclonal antibody (Product # 25-1152-82) in Flow Cytometry"

Authors: Liron T,Raphael B,Hiram-Bab S,Bab IA,Gabet Y

Species

Not Applicable

Dilution

Not Cited

Year

2018

[View more Flow references on thermofisher.com](#)

## More applications with references on thermofisher.com

For Research Use Only. Not for use in diagnostic procedures. Not for resale without express authorization. Products are warranted to operate or perform substantially in conformance with published Product specifications in effect at the time of sale, as set forth in the Production documentation, specifications and/or accompanying package inserts ("Documentation"). No claim of suitability for use in applications regulated by FDA is made. The warranty provided herein is valid only when used by properly trained individuals. Unless otherwise stated in the Documentation, this warranty is limited to one year from date of shipment when the Product is subjected to normal, proper and intended usage. This warranty does not extend to anyone other than the Buyer. Any model or sample furnished to Buyer is merely illustrative of the general type and quality of goods and does not represent that any Product will conform to such model or sample. NO OTHER WARRANTIES, EXPRESS OR IMPLIED, ARE GRANTED INCLUDING WITHOUT LIMITATION, IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE, OR NON INFRINGEMENT. BUYER'S EXCLUSIVE REMEDY FOR NON-CONFORMING PRODUCTS DURING THE WARRANTY PERIOD IS LIMITED TO REPAIR, REPLACEMENT OF OR REFUND FOR THE NON-CONFORMING PRODUCT(S) AT SELLER'S SOLE OPTION. THERE IS NO OBLIGATION TO REPAIR, REPLACE OR REFUND FOR PRODUCTS AS THE RESULT OF (I) ACCIDENT, DISASTER OR EVENT OF FORCE MAJEURE, (II) MISUSE, FAULT OR NEGLIGENCE OF OR BY BUYER, (III) USE OF THE PRODUCTS IN A MANNER FOR WHICH THEY WERE NOT DESIGNED, OR (IV) IMPROPER STORAGE AND HANDLING OF THE PRODUCTS. Unless otherwise expressly stated on the Product or in the documentation accompanying the Product, the Product is intended for research only and is not to be used for any other purpose, including without limitation, unauthorized commercial uses, in vitro diagnostic uses, ex vivo or in vivo therapeutic uses, or any type of consumption by or application to human or animals.