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 10^5 to 10^8 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.

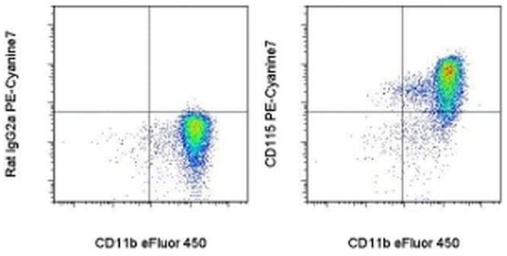
Fixation: Samples can be stored in IC Fixation Buffer (cat. 00-8222) (100 µL cell sample + 100 µL IC Fixation Buffer) or 1-step Fix /Lyse Solution (cat. 00-5333) for up to 3 days in the dark at 4°C with minimal impact on brightness and FRET efficiency /compensation. Some generalizations regarding fluorophore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

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