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

Product Details	
Size	100 µg
Species Reactivity	Mouse
Published Species	Fish, Mouse
Host/Isotype	Rat / IgG2a, kappa
Recommended Isotype Control	Rat IgG2a kappa Isotype Control (eBR2a), PE-Cyanine7, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	AFS98
Conjugate	PE-Cyanine7
Excitation/Emission Max	569/780 nm
Form	Liquid
Concentration	0.2 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2
Contains	0.09% sodium azide
Storage conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_2573386

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	0.125 µg/test	32 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.

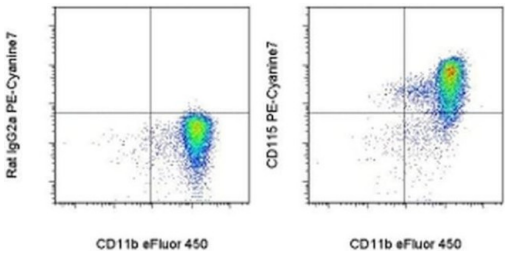
Light sensitivity: This tandem dye is sensitive photo-induced oxidation. Please protect this vial and stained samples from light.

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

32 References

Flow Cytometry (32)

Frontiers in pharmacology

Pexidartinib synergize PD-1 antibody through inhibiting treg infiltration by reducing TAM-derived CCL22 in lung adenocarcinoma.

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

Authors: Zhang W,Jiang X,Zou Y,Yuan L,Wang X

Year
2023

International journal of molecular sciences

Transcriptional and Distributional Profiling of Microglia in Retinal Angiomatous Proliferation.

"25-1152-82 was used in Flow cytometry/Cell sorting to find that MG are the dominant myeloid cell population at RAP sites, significantly altering their transcriptional profile during RAP formation, however, without showing substantial upregulation of angiomodulatory factors."

Authors: Schlecht A,Wolf J,Boneva S,Prinz G,Braunger BM,Wieghofer P,Agostini H,Schlunck G,Lange C

Year
2022

Species
Mouse

Dilution
1:100

View more Flow references on thermofisher.com

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