

CD115 (c-fms) Monoclonal Antibody (AFS98), APC-eFluor™ 780, 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), APC-eFluor™ 780, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	AFS98
Conjugate	APC-eFluor™ 780
Excitation/Emission Max	756/785 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_2573970

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	0.25 µg/test	25 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 bone marrow-derived macrophages. This can be used at less than or equal to 0.25 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 10⁵ to 10⁸ cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

APC-eFluor® 780 emits at 780 nm and is excited with the Red laser (633 nm). Please make sure that your instrument is capable of detecting this fluorochrome.

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

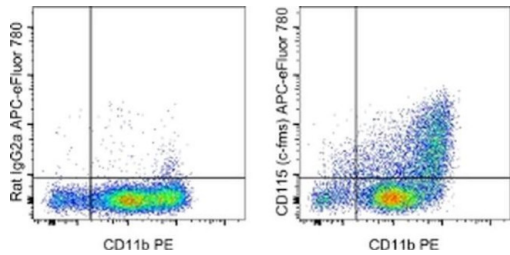
Fixation: Samples can be stored in IC Fixation Buffer (Product # 00-8222) (100 µL of cell sample + 100 µL of IC Fixation

Buffer) or 1-step Fix/Lyse Solution (Product # 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: 633-647 nm; Emission: 780 nm; Laser: Red Laser.

Filtration: 0.2 µm post-manufacturing filtered.

Product Images For CD115 (c-fms) Monoclonal Antibody (AFS98), APC-eFluor™ 780, eBioscience™



CD115 (c-fms) Antibody (47-1152-82) in Flow
Mouse bone marrow cells were cultured for 3 days with Mouse M-CSF Recombinant Protein (Product # 14-8983-80). Cells were stained with Anti-Mouse CD11b PE (Product # 12-0112-82) and 0.125 µg of Rat IgG2a K Isotype Control APC-eFluor® 780 (Product # 47-4321-82) (left) or 0.125 µg of Anti-Mouse CD115 (c-fms) APC-eFluor® 780 (right). Total viable cells, as determined by Fixable Viability Dye eFluor® 506 (Product # 65-0866-14), were used for analysis.

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25 References

Flow Cytometry (25)

JCI insight	Year 2023
Platelets exacerbate cardiovascular inflammation in a murine model of Kawasaki disease vasculitis.	
"Published figure using CD115 (c-fms) monoclonal antibody (Product # 47-1152-82) in Flow Cytometry"	
Authors: Kocatürk B, Lee Y, Nosaka N, Abe M, Martinon D, Lane ME, Moreira D, Chen S, Fishbein MC, Porritt RA, Franklin BS, Noval Rivas M, Arditi M	
Frontiers in pharmacology	Year 2023
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 # 47-1152-82) in Flow Cytometry"	
Authors: Zhang W, Jiang X, Zou Y, Yuan L, Wang X	

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