

CD115 (c-fms) Monoclonal Antibody (AFS98), APC, 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), APC, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	AFS98
Conjugate	APC
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_1210789

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	0.06 µg/test	52 Publications

Product Specific Information

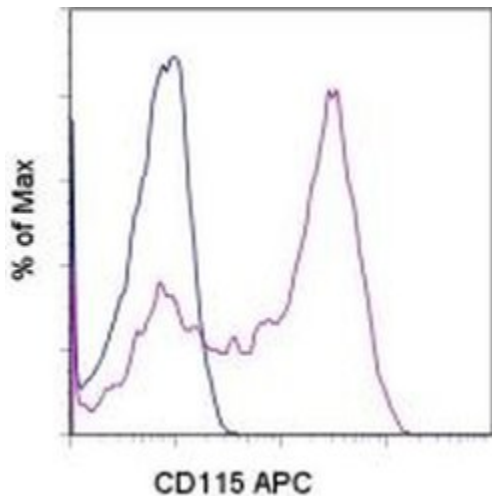
Description: The AFS98 monoclonal antibody reacts with the mouse CD115 molecule, a receptor for macrophage colony stimulating factor (M-CSF) or colony stimulating factor-1 (CSF-1). CD115 is expressed by monocyte, macrophage, osteoclast, and some epithelial cells. It is a 150 kDa c-fms gene product and 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 thioglycolate-elicited peritoneal exudate cells. This can be used at less than or equal to 0.06 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.

Excitation: 633-647 nm; **Emission:** 660 nm; **Laser:** Red Laser.

Filtration: 0.2 µm post-manufacturing filtered.



CD115 (c-fms) Antibody (17-1152-82) in Flow

Staining of thioglycolate-induced peritoneal exudate cells (PECs) with 0.03 µg of Rat IgG2a kappa Isotype Control APC (Product # 17-4321-81) (blue histogram) or 0.03 µg of Anti-Mouse CD115 (c-fms) APC (purple histogram). Total viable cells were used for analysis.

[View more figures on thermofisher.com](https://thermofisher.com)

52 References

Flow Cytometry (52)

Frontiers in immunology

GM-CSF Quantity Has a Selective Effect on Granulocytic vs. Monocytic Myeloid Development and Function.

"17-1152 was used in Flow cytometry/Cell sorting to study whether the dosage of GM-CSF regulates the development of three types of myeloid cells from cultured bone marrow cells."

Authors: Sun L,Rautela J,Delconte RB,Souza-Fonseca-Guimaraes F,Carrington EM,Schenk RL,Herold MJ,Huntington ND,Lew AM,Xu Y,Zhan Y

Species
Mouse

Dilution
Not Cited

Year
2019

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.

"17-1152 was used in Flow cytometry/Cell sorting to investigate whether advanced glycation end products promote bone marrow monocytes to proliferate and drive them into an inflammatory phenotype."

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

Species
Mouse
Not Applicable

Dilution
Not Cited
Not Cited

Year
2018

[View more Flow references on thermofisher.com](https://thermofisher.com)

More applications with references on thermofisher.com

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