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

Product Details	
Size	100 µg
Species Reactivity	Mouse
Published Species	Fish, Mouse, Human
Host/Isotope	Rat / IgG2a, kappa
Recommended Isotype Control	Rat IgG2a kappa Isotype Control (eBR2a), Biotin, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	AFS98
Conjugate	Biotin
Form	Liquid
Concentration	0.5 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_466564

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	0.25 µg/test	29 Publications
Immunofluorescence (IF)	-	2 Publications
Miscellaneous PubMed (Misc)	-	3 Publications

Product Specific Information

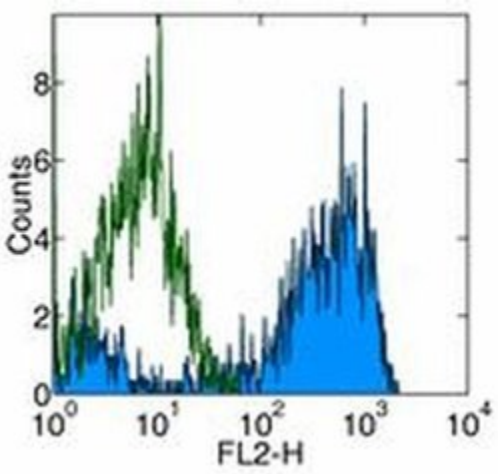
Description: The AFS98 monoclonal antibody reacts with the mouse CD115 molecule, a receptor for macrophage colony stimulating factor (M-CSF) or colony stimulating factor-1 (CSF-1). CD115 is expressed by monocyte, macrophage, osteoclast, and some epithelial cells. It is a 150 kDa c-fms gene product and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

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

Applications Tested: The AFS98 antibody has been tested by flow cytometric analysis of peritoneal exudate cells. 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 10^5 to 10^8 cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

Filtration: 0.2 µm post-manufacturing filtered.

Product Images For CD115 (c-fms) Monoclonal Antibody (AFS98), Biotin, eBioscience™



CD115 (c-fms) Antibody (13-1152-82) in Flow
Staining of thioglycolate-induced peritoneal exudate cells with Anti-Mouse CD115 (c-fms) PE. Appropriate isotype controls were used (open histogram). Cells in the large scatter population were used for analysis.

View more figures on thermofisher.com

34 References

Flow Cytometry (29)

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 # 13-1152-82) 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

The Journal of clinical investigation

Granulocyte-CSF links destructive inflammation and comorbidities in obstructive lung disease.

"13-1152 was used in Flow cytometry/Cell sorting to study the role of blood growth factors in chronic obstructive pulmonary disease."

Authors: Tsantikos E,Lau M,Castelino CM,Maxwell MJ,Passey SL,Hansen MJ,McGregor NE,Sims NA,Steinfort DP,Irving LB,Anderson GP,Hibbs ML

Species
Mouse

Dilution
1:500

Year
2018

View more Flow references on thermofisher.com

Miscellaneous PubMed (3)

The Journal of clinical investigation

CX3CR1-dependent renal macrophage survival promotes Candida control and host survival.

"13-1152 was used in Magnetic cell separation to elucidate the roles of innate immune cells in the pathogenesis of C. albicans."

Authors: Lionakis MS,Swamydas M,Fischer BG,Plantinga TS,Johnson MD,Jaeger M,Green NM,Masedunskas A,Weigert R,Mikelis C,Wan W,Lee CC,Lim JK,Rivollier A,Yang JC,Laird GM,Wheeler RT,Alexander BD,Perfect JR,Gao JL,Kullberg BJ,Netea MG,Murphy PM

Species
Mouse

Dilution
Not Cited

Year
2013

PLoS pathogens

TNF-mediated liver destruction by Kupffer cells and Ly6Chi monocytes during Entamoeba histolytica infection.

"13-1152 was used in Magnetic cell separation to indicate that besides direct antiparasitic drugs, modulating innate immune responses may potentially be beneficial in limiting ALA pathogenesis."

Authors: Helk E,Bernin H,Ernst T,Ittrich H,Jacobs T,Heeren J,Tacke F,Tannich E,Lotter H

Species
Mouse

Dilution
Not Cited

Year
2013

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IF (2)