

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

Product Details	
Size	100 µg
Species	Mouse
Published Species	Fish, Mouse, Human
Expression System	Rat / IgG2a, kappa
Recommended Isotype Control	Rat IgG2a kappa Isotype Control (eBR2a), Functional Grade, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	AFS98
Conjugate	Functional Grade
Form	Liquid
Concentration	1 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2
Contains	no preservative
Storage Conditions	4° C
RRID	AB_469046

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	1 µg/test	8 Publications
Functional Assay (FN)	Assay-Dependent	-
Neutralization (Neu)	Assay-Dependent	1 Publication
Immunofluorescence (IF)	-	2 Publications
Immunohistochemistry (Frozen) (IHC (F))	-	1 Publication

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. It has also been reported in blocking of ligand binding.

Applications Tested: The AFS98 antibody has been tested by blocking of fluorochrome conjugated AFS98 in flow cytometric analysis of peritoneal exudate cells. This can be used at less than or equal to 1 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.

Storage and handling: Use in a sterile environment.

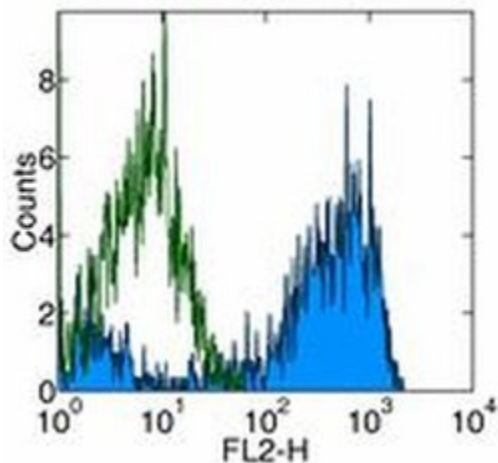
Filtration: 0.2 μm post-manufacturing filtered.

Purity: Greater than 90%, as determined by SDS-PAGE.

Endotoxin Level: Less than 0.001 ng/ μg antibody, as determined by LAL assay.

Aggregation: Less than 10%, as determined by HPLC.

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



CD115 (c-fms) Antibody (16-1152-82) in Flow

Surface staining of thioglycolate-induced peritoneal exudate cells (PECs) 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](http://thermofisher.com)

12 References

Neutralization (1)

The American journal of pathology

Antibiotic-Induced Dysbiosis of Gut Microbiota Impairs Corneal Nerve Regeneration by Affecting CCR2-Negative Macrophage Distribution.

"16-1152 was used in Immunodepletion to study the relationship between dysbiosis of the gut microbiota induced by antibiotic treatment and impaired corneal nerve regeneration."

Authors: Liu J,Wu M,He J,Xiao C,Xue Y,Fu T,Lin C,Dong D,Li Z

Species
Mouse

Dilution
Not Cited

Year
2018

Flow Cytometry (8)

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 # 16-1152-82) 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 # 16-1152-82) in Flow Cytometry"

Authors: Liron T,Raphael B,Hiram-Bab S,Bab IA,Gabet Y

Species
Not Applicable

Dilution
Not Cited

Year
2018

[View more Flow references on thermofisher.com](#)

Immunohistochemistry (Frozen) (1)

Nature

Leukaemogenic effects of Ptpn11 activating mutations in the stem cell microenvironment.

"16115282 was used in immunohistochemistry - frozen section to elucidate the contribution of Ptpn11 mutations in the bone marrow microenvironment to leukaemogenesis"

Authors: Dong L,Yu WM,Zheng H,Loh ML,Bunting ST,Pauly M,Huang G,Zhou M,Broxmeyer HE,Scadden DT,Qu CK

Species
Mouse

Dilution
Not Cited

Year
2016

More applications with references on thermofisher.com

IF (2)

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