

# CD115 (c-fms) Monoclonal Antibody (AFS98), Super Bright™ 436, eBioscience™

Product Details	
Size	100 µg
Species Reactivity	Mouse
Published Species	Mouse
Host/Isotype	Rat / IgG2a, kappa
Recommended Isotype Control	Rat IgG2a kappa Isotype Control (eBR2a), Super Bright™ 436, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	AFS98
Conjugate	Super Bright™ 436
Excitation/Emission Max	413/431 nm
Form	Liquid
Concentration	0.2 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2, with BSA
Contains	0.09% sodium azide
Storage conditions	4°C, store in dark, DO NOT FREEZE!
RRID	AB_2688111

Applications	Tested Dilution	Publications
Western Blot (WB)	-	1 Publication
Immunohistochemistry (IHC)	-	1 Publication
Flow Cytometry (Flow)	0.5 µg/test	20 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 thioglycolate-elicited peritoneal macrophages. This may be used at less than or equal to 0.5 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<sup>5</sup> to 10<sup>8</sup> cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

Super Bright 436 can be excited with the violet laser line (405 nm) and emits at 436 nm. We recommend using a 450/50 bandpass filter, or equivalent. Please make sure that your instrument is capable of detecting this fluorochrome.

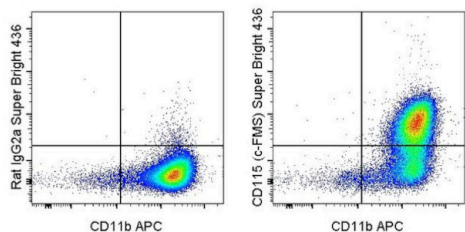
When using two or more Super Bright dye-conjugated antibodies in a staining panel, it is recommended to use Super Bright

Complete Staining Buffer (Product # SB-4401) to minimize any non-specific polymer interactions. Please refer to the datasheet for Super Bright Staining Buffer for more information.

Excitation: 405 nm; Emission: 436 nm; Laser: Violet Laser

Super Bright Polymer Dyes are sold under license from Becton, Dickinson and Company.

## Product Images For CD115 (c-fms) Monoclonal Antibody (AFS98), Super Bright™ 436, eBioscience™



### CD115 (c-fms) Antibody (62-1152-82) in Flow

C57BL/6 mouse thioglycolate-elicited peritoneal exudate cells were stained with CD11b Monoclonal Antibody, APC (Product # 17-0112-82) and CD115 (c-fms) Monoclonal Antibody, Super Bright 645. Cells in the lymphocyte gate were used for analysis.

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

## Western Blot (1)

medRxiv : the preprint server for health sciences

### Exploring [<sup>11</sup>C]CPPC as a CSF1R-targeted PET Imaging Marker for Early Parkinson's Disease Severity.

"Published figure using CD115 (c-fms) monoclonal antibody (Product # 62-1152-82) in Western Blot"

Authors: Mills KA, Du Y, Coughlin JM, Foss CA, Horti AG, Jenkins K, Skorobogatova Y, Spiro E, Motley CS, Dannals RF, Song JJ, Choi YR, Redding-Ochoa J, Troncoso J, Dawson VL, Kam TI, Pomper MG, Dawson TM

Year  
2024

## Immunohistochemistry (1)

Scientific reports

### Sex-dependent differences in the genomic profile of lingual sensory neurons in naïve and tongue-tumor bearing mice.

"Published figure using CD115 (c-fms) monoclonal antibody (Product # 62-1152-82) in Immunohistochemistry"

Authors: Ibrahim T, Wu P, Wang LJ, Fang-Mei C, Murillo J, Merlo J, Shein SS, Tumanov AV, Lai Z, Weldon K, Chen Y, Ruparel S

Year  
2023

## Flow Cytometry (20)

Nature communications

### IKK and TBK1 prevent RIPK1 dependent and independent inflammation.

"Published figure using CD115 (c-fms) monoclonal antibody (Product # 62-1152-82) in Flow Cytometry"

Authors: Eren RO, Kaya GG, Schwarzer R, Pasparakis M

Year  
2024

JCI insight

### Platelets exacerbate cardiovascular inflammation in a murine model of Kawasaki disease vasculitis.

"Published figure using CD115 (c-fms) monoclonal antibody (Product # 62-1152-82) 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

Year  
2023

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

## More applications with references on thermofisher.com

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