

CD115 (c-fms) Monoclonal Antibody (AFS98), Super Bright™ 600, eBioscience™

Product Details	
Size	100 µg
Species Reactivity	Mouse
Host/Isotype	Rat / IgG2a, kappa
Recommended Isotype Control	Rat IgG2a kappa Isotype Control (eBR2a), Super Bright™ 600, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	AFS98
Conjugate	Super Bright™ 600
Excitation/Emission Max	414/601 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_2688113

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	0.5 µg/test	16 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 10⁵ to 10⁸ cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

Super Bright 600 is a tandem dye that can be excited with the violet laser line (405 nm) and emits at 600 nm. We recommend using a 610/20 bandpass filter. 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.

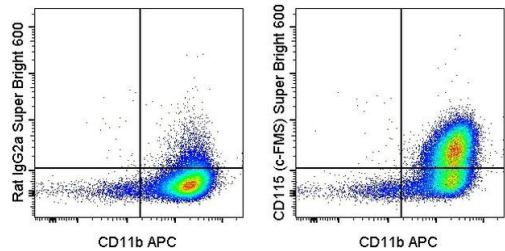
Light sensitivity: This tandem dye is sensitive to photo-induced oxidation. Please protect this vial and stained samples from light.

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: 405 nm; Emission: 600 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™ 600, eBioscience™



CD115 (c-fms) Antibody (63-1152-82) 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 600. Total viable cells were used for analysis.

View more figures on thermofisher.com

16 References

Flow Cytometry (16)

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 # 63-1152-82) in Flow Cytometry"	
Authors: Zhang W,Jiang X,Zou Y,Yuan L,Wang X	
The Journal of biological chemistry	Year 2022
Loss of phosphatidylinositol-4-phosphate 5-kinase type-1 gamma (Pip5k1c) in mesenchymal stem cells leads to osteopenia by impairing bone remodeling.	
"Published figure using CD115 (c-fms) monoclonal antibody (Product # 63-1152-82) in Flow Cytometry"	
Authors: Yan Q,Gao H,Yao Q,Ling K,Xiao G	

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