

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	18 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.™

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

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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.™

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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.™

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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.™

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

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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.^M

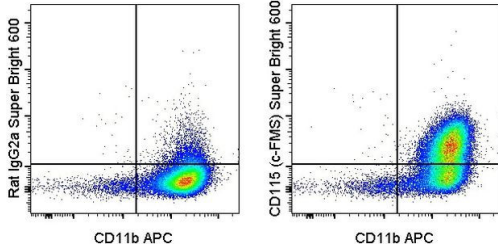
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Excitation: 405 nm; Emission: 600 nm; Laser: Violet Laser^M

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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.

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18 References

Flow Cytometry (18)

JCI insight

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

Year
2023

"Published figure using CD115 (c-fms) monoclonal antibody (Product # 63-1152-82) 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

Frontiers in pharmacology

Pexidartinib synergize PD-1 antibody through inhibiting treg infiltration by reducing TAM-derived CCL22 in lung adenocarcinoma.

Year
2023

"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

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More applications with references on thermofisher.com

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