

# CD115 (c-fms) Monoclonal Antibody (AFS98), PerCP-eFluor™ 710, eBioscience™

Product Details	
Size	100 µg
Species reactivity	Mouse
Published species	Mouse
Host / Isotype	Rat / IgG2a, kappa
Class	Monoclonal
Type	Antibody
Clone	AFS98
Conjugate	PerCP-eFluor™ 710
Form	Liquid
Concentration	0.2 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2
Contains	0.09% sodium azide
Storage conditions	4°C, store in dark, DO NOT FREEZE!
RRID	AB_10597740

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	0.06 µg/test	5 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 mouse thioglycolate induced peritoneal exudate cells. This can be used at less than or equal to 0.06 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.

PerCP-eFluor® 710 emits at 710 nm and is excited with the blue laser (488 nm); it can be used in place of PerCP-Cyanine5.5. We recommend using a 710/50 bandpass filter, however, the 695/40 bandpass filter is an acceptable alternative. Please make sure that your instrument is capable of detecting this fluorochrome.

**Fixation:** Samples can be stored in IC Fixation Buffer ([Product # 00-822-49](#)) (100 µL cell sample + 100 µL IC Fixation Buffer) or 1-step Fix/Lyse Solution ([Product # 00-5333-54](#)) 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:** 488 nm; **Emission:** 710 nm; **Laser:** Blue Laser.

**Filtration:** 0.2 µm post-manufacturing filtered.

**Visit [thermofisher.com](http://thermofisher.com) to view references and figures.**

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