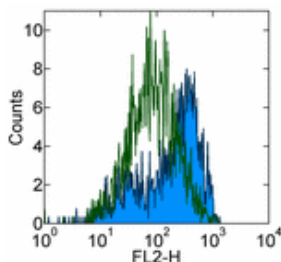


## Anti-Mouse CD115 (c-fms) Purified

Catalog Number: 14-1152

Also Known As: FMS, Colony-Stimulating Factor 1 Receptor, M-CSF Receptor

RUO: For Research Use Only



Staining of thioglycolate-induced peritoneal exudate cells (PECs) with 0.25 µg of Rat IgG2a κ Isotype Control Purified (cat. 14-4321) (open histogram) or 0.25 µg of Anti-Mouse CD115 (c-fms) Purified (filled histogram) followed by Anti-Rat IgG Biotin (cat. 13-4813) and Streptavidin PE (cat. 12-4317). Total viable cells were used for analysis.

### Product Information

Contents: Anti-Mouse CD115 (c-fms) Purified


**REF** Catalog Number: 14-1152

Clone: AFS98

Concentration: 0.5 mg/ml


Host/Isotype: Rat IgG2a, κ

Formulation: aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer

 Temperature Limitation: Store at 2-8°C.

**LOT** Batch Code: Refer to Vial

 Use By: Refer to Vial

 Caution, contains Azide

### 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, immunoblotting (WB), and immunohistochemical staining of frozen tissue sections. It has also been reported in blocking of ligand binding. (Please use Functional Grade purified AFS98, cat. 16-1152, in functional assays.)

### 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<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.

### References

Murayama T, Yokode M, et al. 1999. Intraperitoneal administration of anti-c-fms monoclonal antibody prevents initial events of atherogenesis but does not reduce the size of advanced lesions in apolipoprotein E-deficient mice. *Circulation*. 99(13): 1740-6.

Sudo T, Nishikawa S, et al. 1995. Functional hierarchy of c-kit and c-fms in intramarrow production of CFU-M. *Oncogene*. 11(12): 2469-76.

### Related Products

11-4317 Streptavidin FITC

11-4811 Anti-Rat IgG FITC

12-4317 Streptavidin PE

13-4813 Anti-Rat IgG Biotin (Polyclonal)

14-4321 Rat IgG2a K Isotype Control Purified

17-4317 Streptavidin APC

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