full spectrum cell analysis
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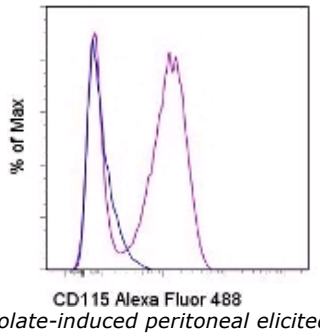
Product Information

Contents: Alexa Fluor® 488 anti-mouse CD115 (FMS, CSF-1R, CSF-1 receptor)
Catalog Number: 53-1152
Concentration: 0.5 mg/mL
Formulation: aqueous buffer, 0.09% sodium azide, contains stabilizer if necessary
Storage Conditions: Store at 2-8°C.
DO NOT FREEZE.
LIGHT-SENSITIVE MATERIAL.
Clone: AFS98
Host/Isotype: Rat IgG2a, κ



Staining of thioglycolate-induced peritoneal elicited cells with 0.25 µg of Alexa Fluor® 488 Rat IgG2a Isotype Control (cat. 53-4321) (blue histogram) or 0.25 µg of Alexa Fluor® 488 anti-mouse CD115 (purple histogram). Total viable cells were used for analysis.

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

For research use only, not for diagnostic or therapeutic use. 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 peritoneal elicited cells. This can 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 10^5 to 10^8 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.