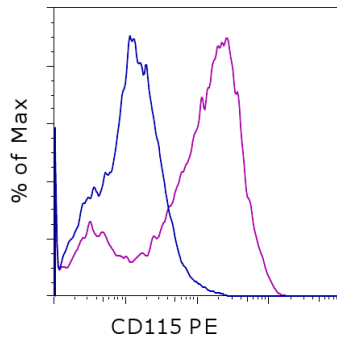


Anti-Mouse CD115 (c-fms) PE

Catalog Number: 12-1152

Also known as: FMS, Colony-Stimulating Factor 1 Receptor, M-CSF Receptor

RUO: For Research Use Only. Not for use in diagnostic procedures.



Staining of C57BL/6 thioglycolate-induced peritoneal exudate cells (PECs) with 0.03 ug of Rat IgG2a kappa Isotype Control PE (cat. 12-4321) (open histogram) or 0.03 ug of Anti-Mouse CD115 (c-fms) PE (filled histogram). Total viable cells were used for analysis.

Product Information



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

Catalog Number: 12-1152

Clone: AFS98

Concentration: 0.2 mg/mL

Host/Isotype: Rat IgG2a, kappa



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

Temperature Limitation: Store at 2-8°C. Do not freeze. Light sensitive material.

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.

Applications Tested

The AFS98 antibody has been tested by flow cytometric analysis of 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 10⁵ to 10⁸ 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

12-4321 Rat IgG2a K Isotype Control PE (eBR2a)

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