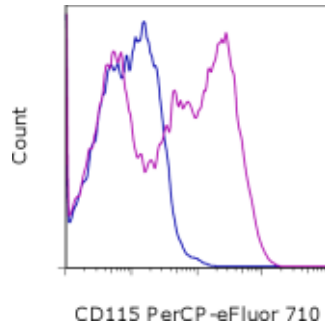


Anti-Mouse CD115 (c-fms) PerCP-eFluor[®] 710

Catalog Number: 46-1152

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 BALB/c thioglycolate-induced peritoneal exudate cells with 0.03 μ g of Rat IgG2a K Isotype Control PerCP-eFluor[®] 710 (cat. 46-4321) (blue histogram) or 0.03 μ g of Anti-Mouse CD115 (c-fms) PerCP-eFluor[®] 710 (purple histogram). Total viable cells were used for analysis.

Product Information

Contents: Anti-Mouse CD115 (c-fms) PerCP-eFluor[®] 710

REF **Catalog Number:** 46-1152

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

Contains sodium 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

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 μ g per test. A test is defined as the amount (μ g) of antibody that will stain a cell sample in a final volume of 100 μ L. 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.

PerCP-eFluor[®] 710 can be used in place of PE-Cy5, PE-Cy5.5 or PerCP-Cy5.5. PerCP-eFluor[®] 710 emits at 710 nm and is excited with the blue laser (488 nm). Please make sure that your instrument is capable of detecting this fluorochrome. For a filter configuration, we recommend using the 685 LP dichroic mirror and 710/40 band pass filter, however the 695/40 band pass filter is an acceptable alternative.

Fixation: Samples can be stored in IC Fixation Buffer (cat. 00-8222) (100 μ L cell sample + 100 μ L IC Fixation Buffer) or 1-step Fix/Lyse Solution (cat. 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.

References

Murayama T, Yokode M, et al. 1999. Intraperitoneal administration of anti-c-fms monoclonal antibody prevents initial

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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

46-4321 Rat IgG2a K Isotype Control PerCP-eFluor® 710 (eBR2a)

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