

Anti-Mouse CD115 (CSF-1R) FITC

Catalogue Number : 17212-50

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

Product Information

Clone: AFS98

Format/Conjugate: FITC

Concentration: 0.5 mg/mL

Reactivity: Mouse, Rat

Laser: Blue (488nm)

Peak Emission: 520nm

Peak Excitation: 494nm

Filter: 530/30

Brightness (1=dim,5=brightest): 3

Isotype: Rat IgG2a, kappa

Formulation: Phosphate-buffered aqueous solution, ≤0.09% Sodium azide, may contain carrier protein/stabilizer, pH7.2.

Storage: Product should be kept at 2-8°C and protected from prolonged exposure to light.

Applications: FC

Description

The AFS98 monoclonal antibody specifically reacts with the mouse CD115 molecule, a 150 kDa receptor for the colony stimulating factor (CSF-1) or macrophage CFS (M-CFS), expressed by some epithelial cells, monocytes, osteoclasts, and macrophages. The colony stimulating factor-1 regulates the proliferation and the differentiation of the monocytic lineage cells.

The AFS98 antibody can be used to identify myeloid lineage cells.

Preparation & Storage

The product should be stored undiluted at 4°C and should be protected from prolonged exposure to light. Do not freeze.

The monoclonal antibody was purified utilizing affinity chromatography and unreacted dye was removed from the product.

Application Notes

The antibody has been analyzed for quality through the flow cytometric analysis of the relevant cell type. For flow cytometric staining, the suggested use of this reagent is ≤0.5 ug per million cells in 100 µl volume. It is recommended that the reagent be titrated for optimal performance for each application.

References

1. Murayama, T., Yokode, M., Kataoka, H., Imabayashi, T., Yoshida, H., Sano, H., ... ; Kita, T. (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), 1740-1746.
2. Sudo, T., Nishikawa, S., Ogawa, M., Kataoka, H., Ohno, N., Izawa, A., ; Hayashi, S. (1995). Functional hierarchy of c-kit and c-fms in intramarrow production of CFU-M.;Oncogene,;11(12), 2469-2476.
3. Yoshino, M., Yamazaki, H., Yoshida, H., Niida, S., Nishikawa, S. I., Ryoike, K., ... ; Hayashi, S. I. (2003). Reduction of osteoclasts in a critical embryonic period is essential for inhibition of mouse tooth eruption.;Journal of Bone and Mineral Research,;18(1), 108-116.