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ProSci Incorporated
12170 Flint Place
Poway, CA 92064

Toll Free: +1 (888) 513 9525
Local: +1 (858) 513 2638
Fax: +1 (858) 513 2692

techsupport@prosci-inc.com

CD115 Antibody [AFS98]

CATALOG NUMBER: 76-876

Specifications

SPECIES REACTIVITY:	Mouse
TESTED APPLICATIONS:	FACS, Func, WB
USER NOTE:	Optimal dilutions for each application to be determined by the researcher.
SPECIFICITY:	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.
HOST SPECIES:	Rat

Properties

PURIFICATION:	The monoclonal antibody was purified utilizing affinity chromatography. The endotoxin level is determined by LAL test to be less than 0.01 EU/µg of the protein.
PHYSICAL STATE:	liquid
BUFFER:	Phosphate-buffered aqueous solution, ph7.2.
CONCENTRATION:	2 mg/mL
STORAGE CONDITIONS:	The product should be stored undiluted at 4˚C . Do not freeze.
CLONALITY:	Monoclonal
ISOTYPE:	Rat IgG2a, kappa
CONJUGATE:	Unconjugated

Additional Info

ALTERNATE NAMES:	Fms, CD115, Csfmr, Fim-2, CSF-1R, M-CSFR, M-CSF-R, AI323359, Csf1r
OFFICIAL SYMBOL:	Csf1r
GENE ID:	12978

Background

BACKGROUND:	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.
REFERENCES:	1) Murayama, T., Yokode, M., Kataoka, H., Imabayashi, T., Yoshida, H., Sano, H., ... Kita, T. (1999). Intraperitoneal administration of antic-fms monoclonal antibody prevents initial events of atherogenesis but does not reduce the size of advanced lesions in apolipoprotein Edeficient mice.Circulation,99(13), 1740-1746.
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	3) Yoshino, M., Yamazaki, H., Yoshida, H., Niida, S., Nishikawa, S. I., Ryoke, 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.

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