



CD115 Antibody [AFS98] (APC)

CATALOG NUMBER: 76-881

Specifications

SPECIES REACTIVITY:	Mouse
TESTED APPLICATIONS:	FACS
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 and unreacted dye was removed from the product.
PHYSICAL STATE:	liquid
BUFFER:	Phosphate-buffered aqueous solution, ≤0.09% Sodium azide, may contain carrier protein/stabilizer, pH7.2.
CONCENTRATION:	0.2 mg/mL
STORAGE CONDITIONS:	The product should be stored undiluted at 4°C and should be protected from prolonged exposure to light. Do not freeze.
CLONALITY:	Monoclonal
ISOTYPE:	Rat IgG2a, kappa
CONJUGATE:	APC

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:	<p>1) Schlossman, S. F. (1995). Leucocyte typing V: White cell differentiation antigens: Proceedings of the Fifth International Workshop and Conference, Held in Boston, USA 3-7 November, 1993. Oxford University Press.</p> <p>2) Wagner, B. J., Lindau, D., Ripper, D., Stierhof, Y. D., Glatzle, J., Witte, M., ... Knigsrainer, A. (2011). Phagocytosis of dying tumor cells by human peritoneal mesothelial cells. <i>Journal of cell science</i>, 124(10), 1644-1654.</p> <p>3) Leca, G., Mansur, S. E., Bensussan, A. (1995). Expression of VCAM-1 (CD106) by a subset of TCR gamma delta-bearing lymphocyte clones. Involvement of a metalloprotease in the specific hydrolytic release of the soluble isoform. <i>The Journal of Immunology</i>, 154(3), 1069-1077.</p>

