molecular probes by life technologies

CD115 Rat Anti-Mouse mAb (clone AFS98) APC Conjugate

Store at 2°C to 8°C

Pub. No. MAN0008573 **Rev.** 1.00

Catalog No.	Form	Amount	Excitation	Peak Emission
A16416	APC	25 µg (0.2 mg/mL)	650 nm	660 nm

Clone	AFS98
Host/Class	Rat IgG2aκ
Description	The CD115 Rat Anti-Mouse mAb recognizes the mouse CD115 molecule, a 150 kDa c-fms gene product and member of the immunoglobulin family. CD115 is a receptor for colony stimulating factor-1 or macrophage colony stimulating factor and is expressed by osteoclast, monocyte, macrophage, and some epithelial cells. The signaling of CSF-1 signaling through CSF-1R regulates monocytic lineage cell proliferation and differentiation.
Alternate Names	FMS, Colony-Stimulating Factor 1 Receptor, M-CSF Receptor
Reactivity	Mouse CD115
Applications*	FC (mouse peritoneal exudate cells)
Storage Buffer	The reagent is provided in aqueous buffer with 0.09% sodium azide, and may contain carrier protein/stabilizer. CAUTION! Sodium azide is extremely toxic and may react with lead and copper plumbing to form highly explosive metal azides. Properly dispose of solutions containing sodium azide. Read the Safety Data Sheet (SDS) and follow the handling instructions. Wear appropriate protective eyewear, clothing, and gloves. SDSs are available at **www.lifetechnologies.com/support**.
Storage	Store reagents in the dark at 2° to 8°C. Do not freeze. If the reagent is being diluted, it is recommended that only the quantity to be used within one week be diluted. Avoid prolonged light exposure with fluorochrome-conjugated antibodies. Use dim light during handling, incubation with cells, and prior to analysis.
Stability	When stored as instructed, expires one year from date of receipt unless otherwise indicated on Certificate of Analysis.
Lot Number	See product label.
References	1. 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. 2. 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.

* Because conditions may vary, it is recommended that each investigator determine the optimal amount of antibody to be used for each application.

FC = flow cytometry; FUNC = functional assay; ICC = immunocytochemistry; IHC(F) = immunohistochemistry (frozen sample); IHC(P) = immunohistochemistry (paraffin embedded sample); IP = immunoprecipitation; RIA = radioimmunoassay; WB = western blot

Manufacturing site: 7335 Executive Way | Frederick, MD 21704 | Toll Free in USA 800.955.6288

Explanation of Symbols

The symbols present on the product label are explained below:

Symbol	Description	Symbol	Description	Symbol	Description
	Manufacturer		Catalog number		Batch code
	Use by		Temperature limitation		
	Consult instructions for use		Caution, consult accompanying documents		

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