

Anti-CD115/M-CSFR [AFS98] Standard Size Ab01491-2.3

This antibody was created using our proprietary Fc Silent™ engineered Fc domain containing key point mutations that abrogate binding to Fc gamma receptors.

This chimeric mouse antibody was made using the variable domain sequences of the original Rat IgG2a format, for improved compatibility with existing reagents, assays and techniques.

Isotype and Format: Mouse IgG2a, [Fc Silent™](#), Kappa

Clone Number: AFS98

Alternative Name(s) of Target: CSF-1R; Macrophage colony-stimulating factor 1 receptor; Csf1r; CD115; CSF-1 receptor; EC 2.7.10.1; CSF-1-R; M-CSF-R; Proto-oncogene c-Fms

UniProt Accession Number of Target Protein: P09581

Published Application(s): Blocking, WB, FC, IHC

Published Species Reactivity: Mouse

Immunogen: This antibody was raised against CD115.

Specificity: This antibody recognises mouse M-CSFR (CD115, CSF-1R) which is a membrane protein that influences tissue macrophage and osteoclast differentiation and proliferation.

Application Notes: AFS98 has been widely used in various flow cytometric analyses to label CD115 antigen. For instance, one group used it to detect monocytes in a mouse blood sample (Buschor et al., 2019). Similarly, Huo and colleagues (2017) utilised this antibody to identify monocytes in mouse blood in order to assess whether myelopoiesis was not a cause of the increase in the monocytes number. This antibody has been also successfully used to deplete macrophages (Ho et al., 2016). Finally, it was also utilised in the immunofluorescence staining of tissue sections prepared from 4% paraformaldehyde-fixed and decalcified bones (Dong et al., 2016).

Antibody First Published in: Sudo et al. Functional hierarchy of c-kit and c-fms in intramarrow production of CFU-M. Oncogene. 1995 Dec 21;11(12):2469-76. [PMID:8545103](#)

Note on publication: This article describes the generation and characterisation of the AFS98 antibody.

Product Form

Size: 200 µg Purified antibody.

Purification: Protein A affinity purified

Supplied In:

PBS with 0.02% Proclin 300.

Storage Recommendation: Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C.

Concentration: 1 mg/ml.

Important note – This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.