Anti-CD115/M-CSFR [AFS98] Bulk Size Ab01491-7.1-BT

Isotype and Format: Rat IgG2a, 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: 1 mg Purified antibody in bulk size.
Purification: Protein A affinity purified
Supplied In: PBS only.
Storage Recommendation: Store at 4^{o}C for up to 3 months. Note, this antibody is provided without added preservatives, it is therefore recommed this antibody be handled under sterile conditions. For longer storage, aliquot and store at -20^{o}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.