Anti-CD115/M-CSFR [AFS98] VivopureX 25 mg Ab01491-2.0-VXX

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, 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: 25 mg VivopureX products are produced at high purity (>98%), low endotoxin (<0.5 EU/mg) and are formulated without preservatives. These antibodies are chimerized to have an Fc domain matching their target species to reduce immunogenicity and give you the optimal effector function for your experiment. As

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a result VivopureX products are the ideal choice for in vivo research applications.
Purification: Protein A affinity purified
Supplied In: PBS only.
Storage Recommendation: All VivopureX products are formulated in PBS only without addition of preservatives. To ensure optimal storage and prevent microbial contamination, only open and dispense under sterile conditions.
Concentration: >=1mg (see vial label for exact conc)

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

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