

***InVivoPro* Anti-Mouse CSF1R (CD115) *in vivo* antibody, Clone AFS98**

Cat #: IV0114

Size: 1mg, 5mg, 25mg, 50mg, 100mg

Product Information

Isotype:	Rat IgG2a κ
Reactivity:	Mouse
Formulation:	PBS, pH 7.2, contains no stabilizers or preservatives
Concentration:	Lot specific, generally ≥ 5.0 mg/ml
Applications:	<i>In vivo</i> macrophage depletion, <i>in vivo</i> monocyte depletion, Flow cytometry
Recommended Isotype Control:	IV0105 or Rat IgG2a Isotype Control
Endotoxin:	≤ 1.0 EU/mg, by the LAL method
Purity:	99%
Sterility:	0.2 μ M filtered
Purification:	Protein A or G
Recommended Dose Range:	400-500 μ g per mouse; or 20 mg/kg. This range is based off the most recent publication data using the AFS98 clone <i>in vivo</i> . Each investigator should determine their own optimal working dilution for specific applications.
Storage:	This antibody is stable for at least 2 months when stored at 2-8°C. For long term storage, aliquot in working volumes without diluting and store at -20°C or -80°C. Avoid repeated freeze thaw cycles.

Background

Macrophage colony-stimulating factor (M-CSF, also termed CSF-1) receptor is an integral membrane tyrosine kinase, expressed in monocytes (macrophages and their progenitors) and drives growth and development of this blood cell lineage. It also triggers growth and development of mononuclear phagocytes and placental trophoblasts. M-CSF receptor is present in osteoclasts both at mRNA and protein levels. When M-CSF ligand specifically binds to the M-CSF receptor on osteoclasts, it induces receptor dimerization, activation and autophosphorylation of cytoplasmic tyrosine residues M-CSF and its receptor present as candidate therapeutic targets in states of inflammatory bone erosion.

Note: The product listed herein is for research use only and is not intended for use in human or clinical diagnosis.