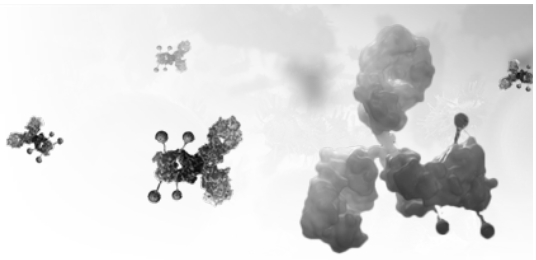

Rat Anti-Mouse CSF1R (CD115) Monoclonal antibody, clone AFS98 (CABT-L4320)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	The AFS98 monoclonal antibody reacts with mouse colony stimulating factor 1 receptor (CSF1R), also known as macrophage colony-stimulating factor receptor (M-CSFR), and CD115. CSF1R is a single-pass type I membrane protein and member of the platelet-derived growth factor receptor family.
Target	Mouse CSF1R (CD115)
Immunogen	CE mouse spleen cells and thymocytes
Isotype	IgG2a, κ
Source/Host	Rat
Species Reactivity	Mouse
Clone	AFS98
Purification	Protein G purified. Purity>95%. Determined by SDS-PAGE
Conjugate	Functional Grade
Applications	in vivo macrophage depletion, in vitro CSF-R1 neutralization, in vivo monocyte depletion, FC, WB
Molecular Weight	150 kDa
Format	0.2 μM filtered liquid. Purified from tissue culture supernatant in an animal free facility
Concentration	Lot specific

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Size	5 mg
Buffer	PBS, pH 7.0. Contains no stabilizers or preservatives. [low endotoxin azide-free] Endotoxin level: <2EU/mg (<0.002EU/μg). Determined by LAL gel clotting assay Related dilution buffer: CABT-LB04
Preservative	None
Storage	The antibody solution should be stored undiluted at 4°C, and protected from prolonged exposure to light. Do not freeze.
Ship	Wet ice

BACKGROUND

Introduction	The AFS98 monoclonal antibody reacts with mouse colony stimulating factor 1 receptor (CSF1R), also known as macrophage colony-stimulating factor receptor (M-CSFR), and CD115. CSF1R is a single-pass type I membrane protein and member of the platelet-derived growth factor receptor family. In mice CSF1R is expressed by monocytes/macrophages, peritoneal exudate cells, plasmacytoid and conventional dendritic cells, and osteoclasts. CSF1R is a receptor for CSF1 and CSF1 signaling through CSF1R regulates the proliferation and differentiation of cells in the monocytic lineage. The AFS98 antibody has been reported to deplete macrophages and block CSFR1 in vivo.
Keywords	CSF1R;colony stimulating factor 1 receptor;Fms;CD115;Csfmr;Fim-2;CSF-1R;M-CSFR;M-CSF-R;AI323359;macrophage colony-stimulating factor 1 receptor;CSF-1 receptor;CSF-1-R;c-fms;proto-oncogene c-Fms;proto-oncogene fms;

GENE INFORMATION

Official Symbol	colony stimulating factor 1 receptor
Synonyms	CSF1R; colony stimulating factor 1 receptor; Fms; CD115; Csfmr; Fim-2; CSF-1R; M-CSFR; M-CSF-R; AI323359; macrophage colony-stimulating factor 1 receptor; CSF-1 receptor; CSF-1-R; c-fms; proto-oncogene c-Fms; proto-oncogene fms;
References	Bauche, D., et al. (2018). "LAG3(+) Regulatory T Cells Restrain Interleukin-23-Producing CX3CR1(+) Gut-Resident Macrophages during Group 3 Innate Lymphoid Cell-Driven Colitis." Immunity 49(2): 342-352 e345. PubMed;Li, W., et al. (2012). "Intravital 2-photon imaging of leukocyte trafficking in beating heart." J Clin Invest 122(7): 2499-2508. PubMed;Tagliani, E., et al. (2011). "Coordinate regulation of tissue macrophage and dendritic cell population dynamics by CSF-1." J Exp Med 208(9): 1901-1916. PubMed;Lim, A. K., et al. (2009). "Antibody blockade of c-fms suppresses the progression of inflammation and injury in early diabetic nephropathy in

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obese db/db mice." Diabetologia 52(8): 1669-1679. PubMed;

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