

Datasheet for ABIN7072608

Recombinant anti-CSF1R antibody



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1 Image

Overview

Quantity:	200 µg
Target:	CSF1R
Reactivity:	Mouse
Host:	Rabbit
Antibody Type:	Recombinant Antibody
Clonality:	Chimeric
Conjugate:	This CSF1R antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Flow Cytometry (FACS), Blocking Peptide (BP)

Product Details

Purpose:	Anti-CD115/M-CSFR [AFS98], Rabbit IgG, kappa
Immunogen:	This antibody was raised against CD115.
Clone:	AFS98
Isotype:	IgG kappa
Specificity:	This antibody recognises mouse M-CSFR (CD115, CSF-1R) which is a membrane protein that influences tissue macrophage and osteoclast differentiation and proliferation.
Characteristics:	Original Species of Ab: Rat Original Format of Ab: IgG2a
Purification:	Protein A affinity purified

Target Details

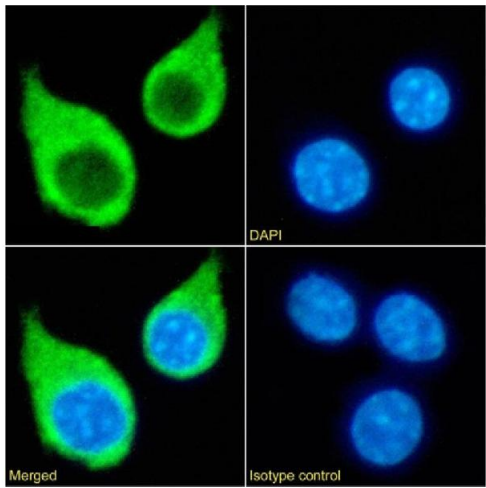
Target:	CSF1R
Alternative Name:	CD115/M-CSFR (CSF1R Products)
Background:	CSF-1R, Macrophage colony-stimulating factor 1 receptor, Csf1r, CD115, CSF-1 receptor, EC 2.7.10.1, CSF-1-R, M-CSF-R, Proto-oncogene c-Fms
UniProt:	P09581
Pathways:	RTK Signaling , Inositol Metabolic Process , Cell-Cell Junction Organization

Application Details

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).
Comment:	This chimeric rabbit antibody was made using the variable domain sequences of the original Rat IgG2a format, for improved compatibility with existing reagents, assays and techniques.
Restrictions:	For Research Use only

Handling

Concentration:	1 mg/mL
Buffer:	PBS with 0.02 % Proclin 300.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C.



Immunofluorescence

Image 1. Immunofluorescence staining of fixed RAW264.7 cells with anti-CD115/M-CSFR antibody AFS98. Immunofluorescence analysis of paraformaldehyde fixed RAW264.7 cells on Shi-fix™ coverslips stained with the chimeric rabbit IgG version of AFS98 (ABIN7072608) at 10 µg/mL for 1h followed by Alexa Fluor® 488 secondary antibody (2 µg/mL), showing membrane staining. The nuclear stain is DAPI (blue). Panels show from left-right, top-bottom ABIN7072608, DAPI, merged channels and an isotype control. The isotype control was an unknown specificity antibody (ABIN5668079) followed by staining with Alexa Fluor® 488 secondary antibody.