

Datasheet for ABIN7278005
anti-CSF1R antibody (APC)



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1 Image

Overview

Quantity:	100 µg
Target:	CSF1R
Reactivity:	Mouse
Host:	Rat
Clonality:	Monoclonal
Conjugate:	This CSF1R antibody is conjugated to APC
Application:	Flow Cytometry (FACS)

Product Details

Clone:	AFS98
Isotype:	IgG2a kappa
Purification:	This monoclonal antibody was purified from tissue culture supernatant via affinity chromatography. The purified antibody was conjugated under optimal conditions, with unreacted dye removed from the preparation. It is recommended to store the product undiluted at 4°C, and protected from prolonged exposure to light. Do not freeze.

Target Details

Target:	CSF1R
Alternative Name:	CD115 (c-fms) (CSF1R Products)
Background:	The AFS98 antibody is specific for mouse CD115, also known as Colony-Stimulating Factor-1 Receptor (CSF-1R), a 145 kDa receptor from the PDGF receptor family. Receptor activation by

Target Details

the ligands IL-34 or CSF-1 (M-CSF) occurs via homodimerization of CD115 and subsequent tyrosine phosphorylation and ubiquitination of intracellular domains. CD115 signaling promotes differentiation of myeloid pre-cursors, as well as the continued regulation of proliferation, survival and function of mononuclear phagocytes, dendritic cells and osteoclasts. While IL-34 and CSF-1 may induce similar cellular responses, they are differentially expressed and as such exert complimentary actions via CD115. The AFS98 antibody may be used for identification of myeloid lineage cells by flow cytometry, and is commonly used for in vivo or in vitro neutralization of CSF-1 Receptor.

Gene ID: 12978

UniProt: [P09581](#)

Pathways: [RTK Signaling](#), [Inositol Metabolic Process](#), [Cell-Cell Junction Organization](#)

Application Details

Application Notes: This antibody preparation has been quality-tested for flow cytometry using mouse spleen cells, or an appropriate cell type (where indicated). The amount of antibody required for optimal staining of a cell sample should be determined empirically in your system.

Comment: 0.2 mg/mL

Restrictions: For Research Use only

Handling

Buffer: 10 mM NaH₂PO₄, 150 mM NaCl, 0.09 % Sodium azide, 0.1 % gelatin, pH 7.2

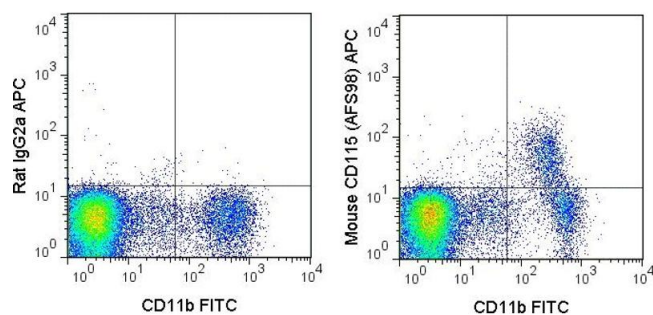
Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C

Storage Comment: 2-8°C protected from light

Expiry Date: 12 months



Flow Cytometry

Image 1. C57Bl/6 peripheral blood cells were stained with FITC Anti-Mouse CD11b (ABIN6961242) and 0.06 μ g APC Anti-Mouse CD115 (ABIN6961242) (right panel) or 0.06 μ g APC Rat IgG2a (left panel).