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Purified Anti-Mouse CD115/CSF-1R Antibody[AFS98]

catalog number: E-AB-F1107A

Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

Reactivity Mouse

Immunogen Recombinant Mouse CD115 protein

Host Rat

Isotype Rat IgG2a, κ
Clone AFS98

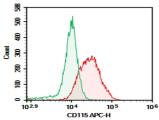
Purification >98%, Protein A/G purified

Buffer PBS, pH 7.2. Contains 0.05% proclin 300.

Applications Recommended Dilution

FCM $2 \mu g/mL(0.5 \times 10^6 - 1 \times 10^6 \text{ cells})$

Data



Mouse peritoneal macrophages were stained with 0.2 μg Purified Anti-Mouse CD115 Antibody[AFS98](Right) and 0.2 μg Rat IgG2a, κ Isotype Control(Left), followed by APC-conjugated Goat Anti-Rat IgG Secondary Antibody.

Preparation & Storage

Storage Store at 4°C valid for 12 months or -20°C valid for long term storage, avoid freeze /

thaw cycles.

Shipping Ice bag

Background

CSF-1R, also known as CD115 and M-CSFR, is a single-pass type I membrane protein and member of the platelet-derived growth factor receptor family. This c-fms (Fms proto-oncogene) gene product's natural ligands include M-CSF and IL-34. Structural studies of CD115 have described an Ig-like extracellular domain, a transmembrane domain, an intracellular juxtamembrane domain, a split tyrosine kinase domain, and a C-terminal tail receptor. Receptor activation induces homodimerization in addition to phosphorylation and ubiquitination of intracellular residues. CD115 directly influences tissue macrophage and osteoclast differentiation and proliferation. It is expressed on monocytes/macrophages, peritoneal exudate cells, plasmacytoid and conventional dendritic cells, and osteoclasts.

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