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ABflo® 488 Rat anti-Mouse CD115/CSF-1R mAb

Catalog No.: A28661

Basic Information

Observed MW

Calculated MW
109 kDa

Category
Primary antibody

Applications
FC

Cross-Reactivity
Mouse

CloneNo number
ATC0020

Conjugate
ABflo® 488. Ex:491nm. Em:516nm.

Background

CSF-1R, also known as CD115 and M-CSFR, is a type I transmembrane protein belonging to the platelet-derived growth factor receptor family. The natural ligands for this c-fms (Fms) proto-oncogene product include M-CSF and IL-34. Structural studies of CD115 have described an immunoglobulin (Ig)-like extracellular domain, a transmembrane domain, an intracellular juxtamembrane domain, a split tyrosine kinase domain, and a C-terminal tail. Upon activation, the receptor not only undergoes phosphorylation and ubiquitination of its intracellular residues but also induces homodimerization. CD115 directly influences the differentiation and proliferation of tissue macrophages and osteoclasts. It is expressed on monocytes/macrophages, peritoneal exudate cells, plasma cells, conventional dendritic cells, and osteoclasts.

Recommended Dilutions

FC	≤0.5 μg per million cells in 100 μl volume

Immunogen Information

Gene ID
12978

Swiss Prot
P09581

Immunogen
Recombinant protein (or fragment).This information is considered to be commercially sensitive.

Synonyms
Fms; Fim2; CD115; Csfmr; Fim-2; CSF-1R; M-CSFR; M-CSF-R

Contact

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Product Information

Source
Rat

Isotype
IgG2a, k

Purification
Affinity purification

Storage
Store at 2-8℃. Avoid freeze.
Buffer: PBS with 0.09% Sodium azide,0.2% BSA,pH7.3.

Validation Data

Flow cytometry:1X10^6 C57BL/6 mouse bone marrow cells were surface-stained with ABflo® 450 Rabbit anti-Mouse CD11b mAb (A26229,5 µl/Test) and ABflo® 488 Rat IgG2a isotype control (5 µl/Test,left) or ABflo® 488 Rat anti-Mouse CD115/CSF-1R mAb (A28661,0.5 µg,right).

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