

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.

Recommended Dilutions

FC ≤0.5 µg per million cells in
100 µl volume

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.

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

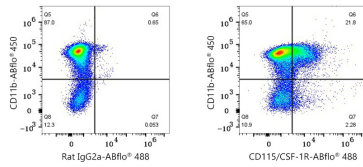
Affinity purification

Storage

Store at 2-8°C. Avoid freeze.

Buffer: PBS with 0.09% Sodium azide, 0.2% BSA, pH7.3.

Validation Data



Flow cytometry: 1×10^6 C57BL/6 mouse bone marrow cells were surface-stained with ABflo® 450 Rabbit anti-Mouse CD11b mAb (A26229, 5 μ l/Test) and ABflo® 488 Rat IgG2a isotype control (5 μ l/Test, left) or ABflo® 488 Rat anti-Mouse CD115/CSF-1R mAb (A28661, 0.5 μ g, right).