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

**Catalog NO.: A28661**

## Basic Information

### Observed MW

### Calculated MW
109 kDa

### Category
Monoclonal Antibodies

### Applications
FC

### Cross-Reactivity
Mouse

### Conjugation
ABflo® 488. Ex:491nm. Em:516nm.

### Clone number
ATC0020

## 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

## Product Information

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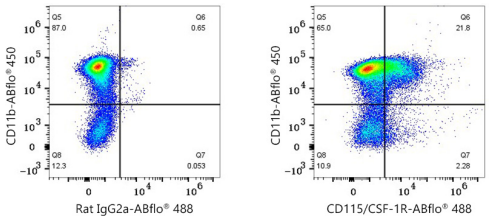
**Source**
Rat

**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: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).

For research use only. Not for therapeutic or diagnostic purposes.

Please visit **https://abclonal.com** for a complete list of recommended products.