

For Research Use Only

# FITC Plus Anti-Mouse CSF1R/CD115 Rabbit Recombinant Antibody

Catalog Number: FITC-98334-2



## Basic Information

<b>Catalog Number:</b> FITC-98334-2	<b>GenBank Accession Number:</b> NM_001037859.2	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug , 500 ug/ml	<b>GeneID (NCBI):</b> 12978	<b>CloneNo.:</b> 242213B1
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P09581	<b>Recommended Dilutions:</b> FC: 0.25 ug per 10 <sup>6</sup> cells in a 100 µl suspension
<b>Isotype:</b> IgG	<b>Full Name:</b> colony stimulating factor 1 receptor	<b>Excitation/Emission maxima wavelengths:</b> 495 nm / 524 nm
<b>Immunogen Catalog Number:</b> EG1816	<b>Calculated MW:</b> 109 kDa	

## Applications

<b>Tested Applications:</b> FC	<b>Positive Controls:</b> FC : mouse peritoneal macrophages,
<b>Species Specificity:</b> mouse	

## Background Information

The CSF-1 receptor (CSF1R), also called CD115, is activated by the homodimeric growth factors colony-stimulating factor-1 (CSF-1) and interleukin-34 (IL-34). It plays important roles in development and in innate immunity by regulating the development of most tissue macrophages and osteoclasts, of Langerhans cells of the skin, of Paneth cells of the small intestine, and of brain microglia. It also regulates the differentiation of neural progenitor cells and controls functions of oocytes and trophoblastic cells in the female reproductive tract. Owing to this broad tissue expression pattern, it plays a central role in neoplastic, inflammatory, and neurological diseases.

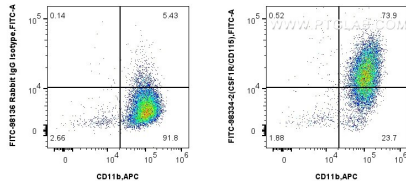
## Storage

**Storage:**  
Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.09% sodium azide, pH7.3

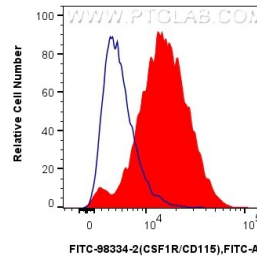
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## Selected Validation Data



1x10<sup>6</sup> mouse peritoneal macrophages were surface stained with APC Anti-Mouse CD11b, and 0.25 ug FITC Plus Anti-Mouse CSF1R/CD115 Rabbit RecAb (FITC-98334-2, Clone: 242213B1) or FITC Plus Rabbit IgG Isotype Control RecAb (FITC-98136, Clone: 240953C9). Cells were incubated with FC Receptor Block prior to staining. Cells were not fixed.



1x10<sup>6</sup> mouse peritoneal macrophages were surface stained with 0.25 ug FITC Plus Anti-Mouse CSF1R/CD115 Rabbit RecAb (FITC-98334-2, Clone: 242213B1) (red) or FITC Plus Rabbit IgG Isotype Control RecAb (FITC-98136, Clone: 240953C9) (blue). Cells were incubated with FC Receptor Block prior to staining. Cells were not fixed.