

For Research Use Only



CoraLite® Plus 647 Anti-Mouse CSF1R/CD115 Rabbit Recombinant Antibody

Catalog Number: **CL647-98334-2**

Basic Information

Catalog Number: CL647-98334-2	GenBank Accession Number: NM_001037859.2	Purification Method: Protein A purification
Concentration: 100ug, 500 ug/ml	GeneID (NCBI): 12978	CloneNo.: 242213B1
Source: Rabbit	UNIPROT ID: P09581	Recommended Dilutions: FC: 0.25 ug per 10 ⁶ cells in a 100 µl suspension
Isotype: IgG	Full Name: colony stimulating factor 1 receptor	Excitation/Emission maxima wavelengths: 654 nm / 674 nm
Immunogen Catalog Number: EG1816	Calculated MW: 109 kDa	

Applications

Tested Applications: FC	Positive Controls: FC : mouse peritoneal macrophages,
Species Specificity: 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

For technical support and original validation data for this product please contact:

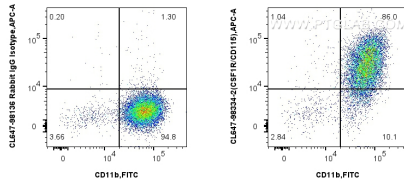
T: 4006900926

E: Proteintech-CN@ptglab.com

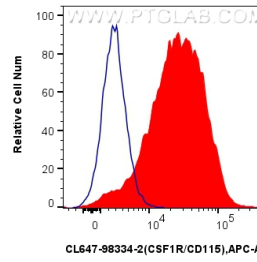
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Selected Validation Data



1x10⁶ mouse peritoneal macrophages were surface stained with FITC Plus Anti-Mouse CD11b, and 0.25 ug CoraLite® Plus 647 Anti-Mouse CSF1R/CD115 Rabbit RecAb (CL647-98334-2, Clone: 242213B1) or CoraLite® Plus 647 Rabbit IgG Isotype Control RecAb (CL647-98136, Clone: 240953C9). Cells were incubated with FC Receptor Block prior to staining. Cells were not fixed.



1x10⁶ mouse peritoneal macrophages were surface stained with 0.25 ug CoraLite® Plus 647 Anti-Mouse CSF1R/CD115 Rabbit RecAb (CL647-98334-2, Clone: 242213B1) (red) or CoraLite® Plus 647 Rabbit IgG Isotype Control RecAb (CL647-98136, Clone: 240953C9) (blue). Cells were incubated with FC Receptor Block prior to staining. Cells were not fixed.