PE/Cy7 anti-human CD115 (CSF-1R)

Catalog # / Size: 2336540 / 100 tests

2336535 / 25 tests

Clone: 9-4D2-1E4 Isotype: Rat IgG1, ĸ

C-fms transduced Kirsten strain murine Immunogen:

sarcoma virus transformed NRK cells.

Reactivity: Human

Preparation: The antibody was purified by affinity

chromatography and conjugated with PE/Cy7 under optimal conditions. The solution is free of unconjugated PE/Cy7

and unconjugated antibody.

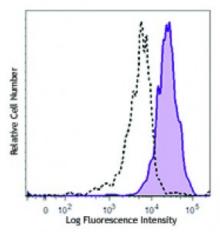
Formulation: Phosphate-buffered solution, pH 7.2,

containing 0.09% sodium azide and

0.2% (w/v) BSA (origin USA).

Workshop **Number:** **V MA199**

Concentration: Lot-specific



Human peripheral blood monocytes were stained with CD115 (clone 9-4D2-1E4) PE/Cy7 (filled histogram) or rat IgG1, κ PE isotype control

(open histogram).

Applications:

Applications: Flow Cytometry

Recommended

Usage:

Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For flow cytometric staining, the suggested use of this reagent is 5 microL per million cells or 5 microL per 100 microL of whole blood. It is recommended that the reagent be titrated for optimal performance for

each application.

Description: CSF-1R, also known as CD115 and M-CSFR, is a single-pass type I membrane

protein and member of the platelet-derived growth factor receptor family. Structural studies of CD115 have described an Ig-like extracellular domain, a transmembrane domain, an intracellular juxtamembrane domain, a split tyrosine kinase domain, and a C-terminal tail receptor. Receptor activation induces homodimerization in addition to phosphorylation and ubiquitinylation of intracellular residues. The natural ligands of CD115 include M-CSF and IL-34. CD115 directly influences tissue macrophage and osteoclast differentiation and proliferation. It is expressed on monocytes/macrophages, plasmacytoid and

conventional dendritic cells, and osteoclasts.

Antigen 1. Sherr CJ, et al. 1989. Blood 73:1786 References:

2. Roussel MF, et al. 1991. Nature 353:361.

3. Roussel MF, et al. 1989 P. Natl. Acad. Sci. USA 86:7924.