

**Manufacturer/Supplier:**

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**Product name:** Anti-Mouse CD115 Monoclonal Antibody(PE  
Conjugated)

**Catalog:** DL21296F

**Synonyms:** Macrophage colony-stimulating factor 1  
receptor, CSF-1 receptor  
(EC:2.7.10.1), CSF-1-R, CSF-1R, M-CSF-R, Proto-onc  
ogene c-Fms, CD115, Csf1r, Csfmr, Fms

**Background:** 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.  
This c-fms (Fms proto-oncogene) gene product's  
natural ligands include M-CSF and IL-34. 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 ubiquitination of intracellular residues. CD115 directly influences tissue macrophage and osteoclast differentiation and proliferation. It is expressed on monocytes/macrophages, peritoneal exudate cells, plasmacytoid and conventional dendritic cells, and osteoclasts.

**Form:** Liquid

**Isotype:** Rat IgG2a,  $\kappa$

**Size:** 25 $\mu$ g/100 $\mu$ g

**Host:** Rat

**Reactivity:** Mouse

**Application:** FCM

**Concentration:** 0.2 mg/mL

**Conjugation:** PE

**SwissProt:** P09581

**Buffer:** Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer and 1% protein protectant.

**Recommended Use:**

Each lot of this antibody is quality control tested by flow

cytometric analysis. Please check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for individual use. We suggest each investigator should titrate the reagent to obtain optimal results [The recommended concentration is 0.1-1  $\mu\text{g}/10^6\text{cells}$  in 100  $\mu\text{L}$  volume].

### Storage:

Keep as concentrated solution.

Store at 2~8°C and protected from prolonged exposure to light. Do not freeze.

This product is guaranteed up to one year from purchase.