

## Product datasheet for **AM05871RP-N**

### Csf1r Rat Monoclonal Antibody [Clone ID: 604B5 2E11]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	604B5 2E11
Applications:	FC
Recommended Dilution:	<b>Flow Cytometry:</b> Use 10 µl of neat antibody to label 10 <sup>6</sup> cells in 100 µl.
Reactivity:	Mouse, Rat
Host:	Rat
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	RAW 264 cells. Spleen cells from immunised Sprague Dawley rats were fused with cells of the P3-653 myeloma cell line.
Specificity:	This antibody recognizes the CD115 cell surface antigen, also known as the M-CSF receptor and as c-fms. This antibody has been shown to inhibit <i>in vitro</i> colony formation in response to M-CSF in both rats and mice.
Formulation:	PBS Label: PE State: Lyophilized purified IgG fraction Stabilizer: 1% BSA Preservative: 0.09% Sodium Azide Label: Phycoerythrin
Reconstitution Method:	Restore with 1.0 ml distilled water.
Purification:	Ion Exchange Chromatography
Conjugation:	PE
Storage:	Prior to and following reconstitution store the antibody undiluted at 2-8°C. <b>DO NOT FREEZE!</b> This product is photosensitive and should be protected from light.
Stability:	Shelf life: one year from despatch.



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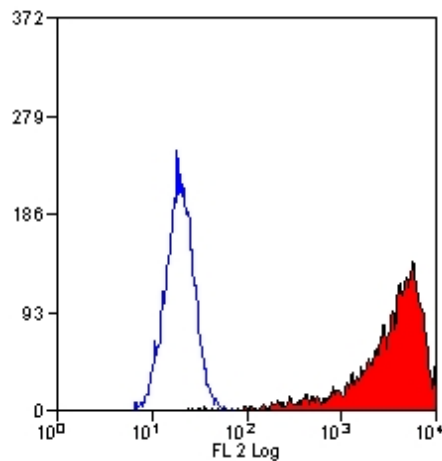
**Gene Name:** colony stimulating factor 1 receptor

**Database Link:** [Entrez Gene 12978 Mouse P09581](#)

**Background:** CD115, also known as c-fms, macrophage Colony Stimulating Factor Receptor (M-CSFR), or CSF-1R, exists in immature (gp130c-fms) and mature (gp150c-fms) forms. CSF-1R exhibits an intrinsic tyrosine-specific protein kinase activity. It is expressed on the cells of the mononuclear phagocyte lineage. CSF-1R is an integral transmembrane glycoprotein consisting of a 512 amino acid extracellular domain that includes the CSF-1 binding site, a single 25 amino acid membrane-spanning segment, and a 435 amino acid cytoplasmic portion that includes the tyrosine kinase domain. CD115 is expressed by cells of the monocytic lineage and by progenitor cells.

**Synonyms:** CSF-1-R, Fms proto-oncogene, c-fms, CSF1R, FMS, Macrophage colony-stimulating factor 1 receptor

### Product images:



Flow Cytometry: Staining of the mouse J774 cell line with Rat anti Mouse CD115 antibody RPE conjugated (AM05871RP-N)