

**CSF3R Antibody (Center) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP9075c****Specification**

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**CSF3R Antibody (Center) Blocking Peptide - Product Information**Primary Accession [Q99062](#)**CSF3R Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 1441**Other Names**

Granulocyte colony-stimulating factor receptor, G-CSF receptor, G-CSF-R, CD114, CSF3R, GCSFR

**Target/Specificity**

The synthetic peptide sequence used to generate the antibody [AP9075c](/products/AP9075c) was selected from the Center region of human CSF3R. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**CSF3R Antibody (Center) Blocking Peptide - Protein Information****Name** CSF3R**Synonyms** GCSFR**Function**

Receptor for granulocyte colony-stimulating factor (CSF3), essential for granulocytic maturation. Plays a crucial role in the proliferation, differentiation and survival of cells along the neutrophilic lineage. In addition it may function in some adhesion or recognition events at the cell surface.

**Cellular Location**

[Isoform 2]: Secreted.

**Tissue Location**

One or several isoforms have been found in myelogenous leukemia cell line KG-1, leukemia U-937 cell line, in bone marrow cells, placenta, and peripheral blood granulocytes. Isoform GCSFR-2 is

found only in leukemia U-937 cells. Isoform GCSFR-3 is highly expressed in placenta

### **CSF3R Antibody (Center) Blocking Peptide - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

### **CSF3R Antibody (Center) Blocking Peptide - Images**

### **CSF3R Antibody (Center) Blocking Peptide - Background**

CSF3R is the receptor for colony stimulating factor 3, a cytokine that controls the production, differentiation, and function of granulocytes. The encoded protein, which is a member of the family of cytokine receptors, may also function in some cell surface adhesion or recognition processes. Four transcript variants encoding four different isoforms have been found for this gene, with three of the isoforms being membrane-bound and the other being secreted and soluble.

### **CSF3R Antibody (Center) Blocking Peptide - References**

Yerges,L.M., et.al., J. Bone Miner. Res. 24 (12), 2039-2049 (2009)Germeshausen,M., et.al., Blood 114 (16), 3504-3505 (2009)