

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

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)