

**CSF2 Antibody (Center)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP10690c**

**Specification**

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**CSF2 Antibody (Center) - Product Information**

Application	IF, WB, IHC-P, FC,E
Primary Accession	<a href="#">P04141</a>
Other Accession	<a href="#">NP_000749.2</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Antigen Region	59-85

**CSF2 Antibody (Center) - Additional Information**

**Gene ID** 1437

**Other Names**

Granulocyte-macrophage colony-stimulating factor, GM-CSF, Colony-stimulating factor, CSF, Molgramostin, Sargramostim, CSF2, GMCSF

**Target/Specificity**

This CSF2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 59-85 amino acids from the Central region of human CSF2.

**Dilution**

IF~~1:10~50  
WB~~1:1000  
IHC-P~~1:50~100  
FC~~1:10~50

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

CSF2 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

**CSF2 Antibody (Center) - Protein Information**

**Name** CSF2

## Synonyms GMCSF

**Function** Cytokine that stimulates the growth and differentiation of hematopoietic precursor cells from various lineages, including granulocytes, macrophages, eosinophils and erythrocytes.

## Cellular Location

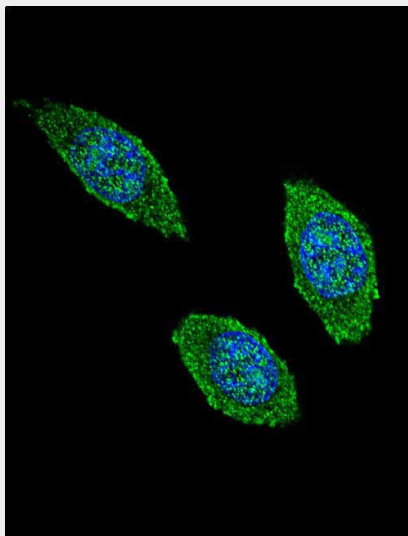
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## CSF2 Antibody (Center) - Protocols

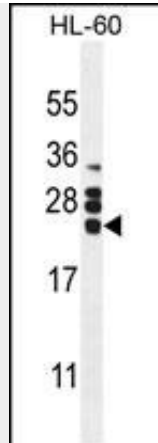
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

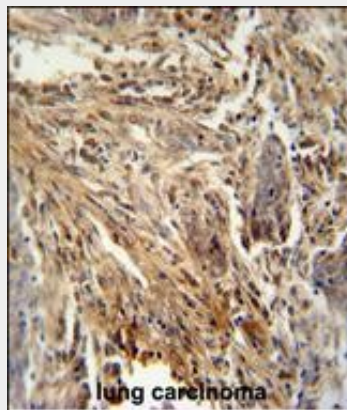
## CSF2 Antibody (Center) - Images



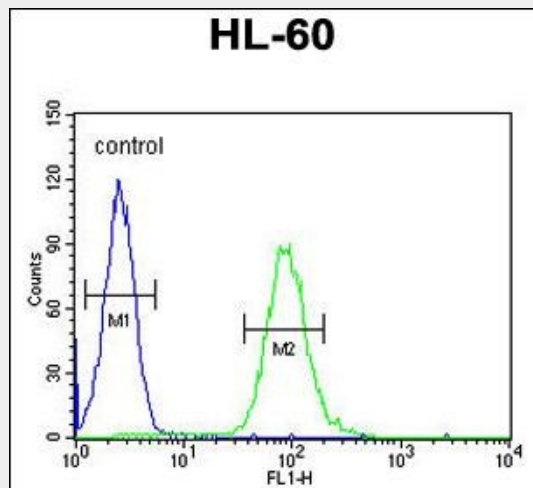
Confocal immunofluorescent analysis of CSF2 Antibody (Center) (Cat#AP10690c) with 293 cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). DAPI was used to stain the cell nuclear (blue).



CSF2 Antibody (Center) (Cat. #AP10690c) western blot analysis in HL60 cell line lysates (35ug/lane). This demonstrates the CSF2 antibody detected the CSF2 protein (arrow).



CSF2 antibody (Center) (Cat. #AP10690c) immunohistochemistry analysis in formalin fixed and paraffin embedded human lung carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the CSF2 antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.



CSF2 Antibody (Center) (Cat. #AP10690c) flow cytometric analysis of HL-60 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

**CSF2 Antibody (Center) - Background**

CSF2 is a cytokine that controls the production, differentiation, and function of granulocytes and macrophages. The active form of the protein is found extracellularly as a homodimer. This gene has been localized to a cluster of related genes at chromosome region 5q31, which is known to be associated with interstitial deletions in the 5q-syndrome and acute myelogenous leukemia. Other genes in the cluster include those encoding interleukins 4, 5, and 13. [provided by RefSeq].

### **CSF2 Antibody (Center) - References**

Romero, R., et al. Am. J. Obstet. Gynecol. 203 (4), 361 (2010) :  
Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010)  
Beckers, M.M., et al. Eur. J. Intern. Med. 21(4):289-292(2010)  
Wang, Y., et al. Diabet. Med. 27(4):376-383(2010)  
Katano, M., et al. Arthritis Res. Ther. 11 (1), R3 (2009) :

### **CSF2 Antibody (Center) - Citations**

- [Osteoarthritic changes in vervet monkey knees correlate with meniscus degradation and increased matrix metalloproteinase and cytokine secretion.](#)