

ARG56678 anti-G-CSF antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes G-CSF
Tested Reactivity	Hu
Tested Application	ELISA, IHC-P, Neut, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	G-CSF
Species	Human
Immunogen	E.coli derived Recombinant Human G-CSF. (TPLGPASSLP QSFLKCLEQ VRKIQGDGAA LQEKLKATYK LCHPEELVLL GHSLGIPWAP LSSCPSQALQ LAGCLSQLHS GLFLYQGLLQ ALEGISPELG PTLDTLQLDV ADFATTIWQQ MEELGMAPAL QPTQGAMPAP ASAFQRRAGG VLVASHLQSF LEVSYRVLRH LAQP)
Conjugation	Un-conjugated
Alternate Names	Granulocyte colony-stimulating factor; Lenograstim; C17orf33; GCSF; G-CSF; Filgrastim; Pluripoietin; CSF3OS

Application Instructions

Application table	Application	Dilution
	ELISA	Sandwich: 0.5 - 2.0 µg/ml with ARG56788 as a detection antibody
	IHC-P	0.25 µg/ml
	Neut	0.04 - 0.06 µg/ml (To yield [ND50] of the biological activity of hG - CSF (0.5 ng/ml))
	WB	0.1 - 0.2 µg/ml

Application Note * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	PBS (pH 7.2)
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed

before use.

Note

For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Database links

[GeneID: 1440 Human](#)

[Swiss-port # P09919 Human](#)

Gene Symbol

CSF3

Gene Full Name

colony stimulating factor 3 (granulocyte)

Background

The protein encoded by this gene is a cytokine that controls the production, differentiation, and function of granulocytes. The active protein is found extracellularly. Alternatively spliced transcript variants have been described for this gene. [provided by RefSeq, May 2010]

Function

Granulocyte/macrophage colony-stimulating factors are cytokines that act in hematopoiesis by controlling the production, differentiation, and function of 2 related white cell populations of the blood, the granulocytes and the monocytes-macrophages. This CSF induces granulocytes. [UniProt]

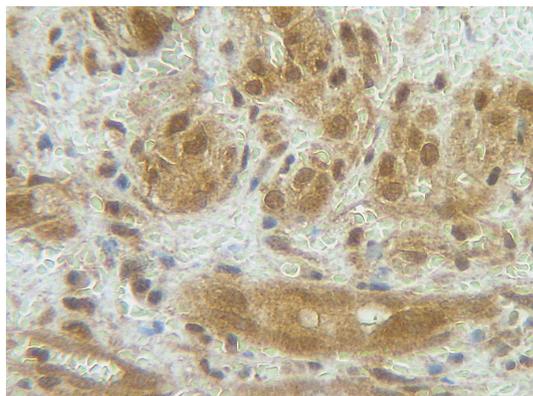
Calculated Mw

22 kDa

PTM

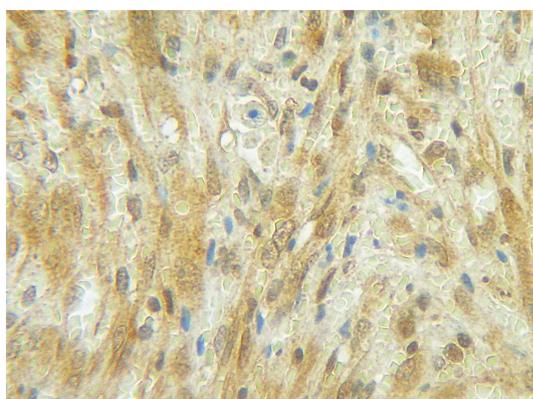
O-glycan consists of Gal-GalNAc disaccharide which can be modified with up to two sialic acid residues (done in recombinantly expressed G-CSF from CHO cells).

Images



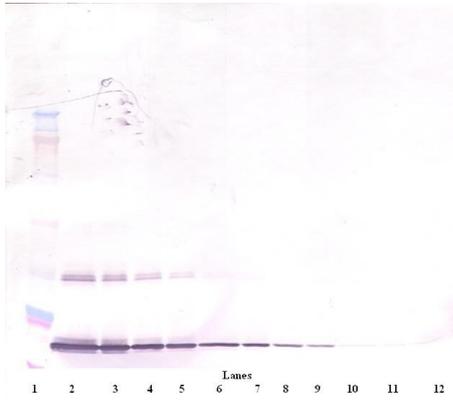
ARG56678 anti-G-CSF antibody IHC-P image

Immunohistochemistry: Formalin-fixed and paraffin-embedded sections of Human angiosarcoma. The recommended ARG56678 anti-G-CSF antibody concentration is 0.25 µg/mL with an overnight incubation at 4°C. An HRP-labeled polymer detection system was used with a DAB chromogen. Antigen Retrieval: Boil tissue section in Sodium Citrate buffer (pH 6.0) followed by cooling at RT for 20 min.



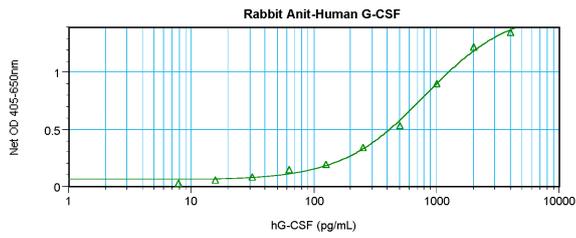
ARG56678 anti-G-CSF antibody IHC-P image

Immunohistochemistry: Formalin-fixed and paraffin-embedded sections of Human angiosarcoma. The recommended ARG56678 anti-G-CSF antibody concentration is 0.25 µg/mL with an overnight incubation at 4°C. An HRP-labeled polymer detection system was used with a DAB chromogen. Antigen Retrieval: Boil tissue section in Sodium Citrate buffer (pH 6.0) followed by cooling at RT for 20 min.



ARG56678 anti-G-CSF antibody WB image

Western blot: 250 - 0.24 ng of Human G-CSF stained with ARG56678 anti-G-CSF antibody, under non-reducing conditions.



ARG56678 anti-G-CSF antibody standard curve image

Sandwich ELISA: ARG56678 anti-G-CSF antibody as a capture antibody at 0.5 - 2.0 $\mu\text{g}/\text{ml}$ combined with ARG56788 anti-G-CSF antibody (Biotin) as a detection antibody. Results of a typical standard run with optical density.