GCSF Antibody (R31929)

Catalog No.	Formulation	Size
R31929	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Mouse
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide
UniProt	P09920
Applications	Western Blot : 0.1-0.5ug/ml ELISA : 0.1-0.5ug/ml (mouse protein tested); request BSA-free format for coating
Limitations	This GCSF antibody is available for research use only.



GCSF Antibody HeLa WB. Western blot testing of human HeLa cell lysate with GCSF antibody. Expected/observed molecular weight ~22 kDa.

Description

Granulocyte-colony stimulating factor (G-CSF or GCSF), also known as colony-stimulating factor 3 (CSF 3), is a glycoprotein that stimulates the bone marrow to produce granulocytes and stem cells and release them into the bloodstream. Functionally, it is a cytokine and hormone, a type of colony-stimulating factor, and is produced by a number of different tissues. The pharmaceutical analogs of naturally occurring G-CSF are called filgrastim and lenograstim. G-CSF also stimulates the survival, proliferation, differentiation, and function of neutrophil precursors and mature neutrophils.

For a reference GCSF antibody supporting cytokine signaling and immune regulation studies, see clone CSF3/4594.

Application Notes

Optimal dilution of the GCSF antibody should be determined by the researcher.

Immunogen

Amino acids 47-208 of mouse GCSF were used as the immunogen for the GCSF antibody.

Storage

After reconstitution, the GCSF antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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