

## Anti-G-CSF Antibody (5K883)

### Product Details

Ig Type:	IgG
Reactivity:	Human (predicted:Mouse)
Molecular Weight:	Theoretical: 19 kDa. Actual: 20 kDa.
Clone:	5K883
Purification:	Protein A purified

### Applications

Sample:	Lane 1: Recombinant human G-CSF protein, His (G-CSF (TMAB-06400) at 1/1000 dilution
Verified Activity:	Secondary: IRDye800CW Goat Anti-Mouse IgG at 1/20000 dilution Predicted band size: 19 kDa Observed band size: 20 kDa
Application:	WB
Recommended	WB=1:500-2000

### Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

### Antigen Details

Immunogen:	Recombinant Protein: human G-CSF protein
Antigen Species:	Human
Gene ID:	1440
Uniprot ID:	P09919

### Research Background

Granulocyte-colony stimulating factor (G-CSF) is a growth factor and an essential cytokine belonging to the CSF family of hormone-like glycoproteins that regulate haematopoietic cell proliferation and differentiation. G-CSF was isolated initially as a factor supporting the growth of colonies of granulocytes in soft agar cultures. Cells of the monocyte/macrophage lineage are among the most prominent sources of G-CSF, but this factor can also be produced by normal cells of mesodermal origin, including vascular endothelial cells, fibroblasts, and mesothelial cells. Production of G-CSF can be induced in vitro in these cells by a wide variety of stimulatory agents, including LPS, TNF, IL-1, IL-3, IL-4, and IFN-Gamma. G-CSF is likely to play a role in the basal regulation of neutrophil production, and also functions as a primary regulatory factor controlling the neutrophil response to inflammatory stimuli. Furthermore, G-CSF exhibits other biological activities besides the proliferative effects, since G-CSF appears to modulate the distribution of neutrophils and progenitor cells within the body.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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