



# Anti-CSF3 polyclonal antibody (CPBT-65150RH)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Product Overview</b>	Rabbit anti Human G-CSF antibody recognizes human G-CSF (Granulocyte colony- stimulating factor), a 19.6kDa haematopoietic growth factor and member of the CSF family of hormone-like glycoproteins, which stimulates the development of bone marrow progenitor cells and in particular those committed to neutrophil lineage. The ability of G-CSF to stimulate the proliferation/differentiation and function of neutrophil granulocyte progenitor cells and survival of mature neutrophils, has resulted in G-CSF becoming an important factor in patient treatment following allogeneic (bone marrow/stem cell) transplantation and chemotherapy. To yield one-half maximal inhibition [ND50] of the biological activity of hG-CSF (0.5 ng/ml), a concentration of 0.04-0.06 ug/ml of this antibody is required. ELISA This purified human G-CSF antibody may be used in an indirect ELISA or as the capture reagent in a sandwich ELISA.
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<b>Specificity</b>	G-CSF
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Human
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	ELISA; FA; IHC-P; WB
<b>Format</b>	Purified IgG - lyophilised
<b>Size</b>	100 µg
<b>Preservative</b>	None
<b>Storage</b>	in frost-free freezers is not recommended. This product should be stored undiluted. Avoid

repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

## GENE INFORMATION

Gene Name	<a href="#">CSF3 colony stimulating factor 3 (granulocyte) [ Homo sapiens (human) ]</a>
Official Symbol	CSF3
Synonyms	CSF3; colony stimulating factor 3 (granulocyte); GCSF; CSF3OS; C17orf33; granulocyte colony-stimulating factor; filgrastim; lenograstim; pluripoietin; granulocyte-colony stimulating factor; G-CSF;
Entrez Gene ID	<a href="#">1440</a>
Protein Refseq	<a href="#">NP_000750</a>
UniProt ID	P09919
Chromosome Location	17q11.2-q12
Pathway	Cytokine-cytokine receptor interaction; Cytokines and Inflammatory Response; Hematopoietic cell lineage; Jak-STAT signaling pathway; Malaria; PI3K-Akt signaling pathway;
Function	cytokine activity; enzyme binding; granulocyte colony-stimulating factor receptor binding; growth factor activity;