

Human Granulocyte Colony-Stimulating Factor, CSF3 ELISA Kit | CSF3 elisa kit

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CATALOG #
AAA124130

REACTIVITY
Human

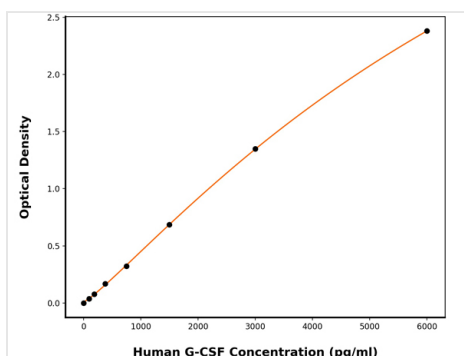
PRODUCT SYNONYMS

Granulocyte Colony-Stimulating Factor; CSF3; Human Granulocyte Colony-Stimulating Factor; CSF3 Primacu ELISA Kit; Granulocyte colony-stimulating factor; G-CSF; C17orf33; GCSF; CSF3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Assay Type	Sandwich
Samples	Serum, plasma, cell culture supernates
Detection Range	93.75-6000pg/mL
Sensitivity	16.98pg/mL
Standard Solution	60ng/mL
Assay Time	3.5h
Preparation and Storage	Store at 2-8 degree C

IMAGES



Standard Curve (Sample)

Typical Testing Data/Standard Curve (for reference only)

ADDITIONAL INFORMATION

Related Product Information for CSF3 elisa kit	Granulocyte-colony stimulating factor (G-CSF) is a growth factor and an essential cytokine belonging to the CSF family of hormone-like glycoproteins. It is produced by numerous cell types including immune and endothelial cells. G-CSF binding to its receptor G-CSF-R which belongs to the cytokine receptor type I family depends on the interaction of alpha-helical motifs of the former and two fibronectin type III as well as an immunoglobulin-like domain of the latter. Recent animal studies have also revealed that G-CSF activates multiple signaling pathways, such as Akt and also the Janus family kinase-2 and signal transducer and activation of transcription-3 (Jak2-STAT3) pathway, thereby promoting survival, proliferation, differentiation and mobilisation of haematopoietic stem and progenitor cells. G-CSF is a cytokine that have been demonstrated to improve cardiac function and perfusion in myocardial infarction. And it was initially evaluated as a stem cell mobilizer and erythropoietin as a cytoprotective agent. G-CSF prevents left ventricular remodeling after myocardial infarction by decreasing cardiomyocyte death and by increasing the number of blood vessels, suggesting the importance of direct actions of G-CSF on the myocardium rather than through mobilization and differentiation of stem cells. Accordingly, recombinant human (rh)G-CSF has been extensively used in clinical haematology and oncology to enable bone marrow transplantation or to treat chemotherapy-associated neutropenia. In preclinical study, G-CSF improved cardiac function and perfusion by angiomyogenesis and protection of cardiomyocytes in myocardial infarction. Cancer Immunotherapy Immune Checkpoint Immunotherapy Targeted Therapy
Product Categories/Family for CSF3 elisa kit	Primacu ELISA Kit; Cancer; Immunology; Neuroscience

NCBI AND UNIPROT INFORMATION

NCBI GI #	296011057
NCBI GeneID	1440
NCBI Accession #	NP_001171618.1
NCBI GenBank Nucleotide #	NM_001178147.1
UniProt Accession #	P09919; A8MXR7
Molecular Weight	22,293 Da
NCBI Official Full Name	granulocyte colony-stimulating factor isoform d
NCBI Official Synonym Full Names	colony stimulating factor 3 (granulocyte)
NCBI Official Symbol	CSF3
NCBI Official Synonym Symbols	GCSF; CSF3OS; C17orf33
NCBI Protein Information	granulocyte colony-stimulating factor; filgrastim; lenograstim; pluripoietin
UniProt Protein Name	Granulocyte colony-stimulating factor
UniProt Gene Name	CSF3
UniProt Synonym Gene Names	C17orf33; GCSF; G-CSF
UniProt Entry Name	CSF3_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.