

Human Colony Stimulating Factor 3, Granulocyte (GCSF) ELISA Kit | GCSF elisa kit

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CATALOG #
AAA189677

REACTIVITY
Human

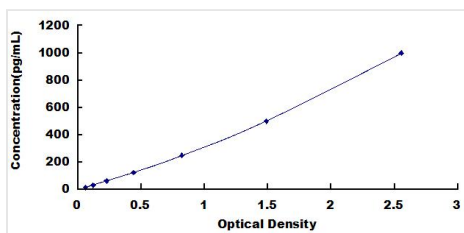
PRODUCT SYNONYMS

Colony Stimulating Factor 3; Granulocyte (GCSF); Human Colony Stimulating Factor 3; Granulocyte (GCSF) ELISA Kit; CSF3; G-CSF; Granulocyte Colony Stimulating Factor; Pluripoietin; Filgrastim; Lenograstim; GCSF/Colony Stimulating Factor 3; Granulocyte; GCSF elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of GCSF. No significant cross-reactivity or interference between GCSF and analogues was observed.
Assay Type	Quantitative Sandwich
Samples	Human serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Detection Range	15.6-1,000pg/mL
Sensitivity	< 6.3pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level GCSF were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level GCSF were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	Store at 4 degree C for 1 month/-20 degree C for long-term (within shelf life) Shelf Life: 8 months The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GCSF elisa kit	Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to GCSF. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to GCSF. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain GCSF, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of GCSF in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of GCSF in human serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids.
Product Categories/Family for GCSF elisa kit	Cytokine; Hematology

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.

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Online datasheet: <https://www.aaabiotech.com/human-elisa-kits/colony-stimulating-factor-3-granulocyte-gcsf/189677>