

Human Granulocyte Colony Stimulating Factor ELISA Kit | G-CSF elisa kit

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CATALOG #
AAA84324

REACTIVITY
Human

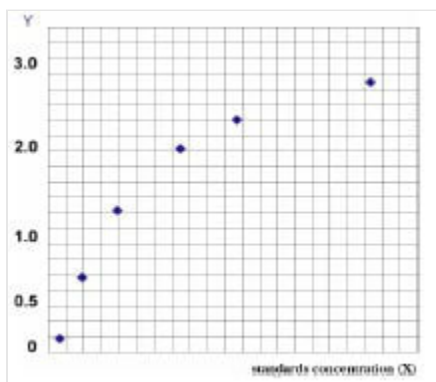
PRODUCT SYNONYMS

Granulocyte Colony Stimulating Factor; Human Granulocyte Colony Stimulating Factor ELISA Kit; Human Granulocyte Colony Stimulating Factor (G-CSF) ELISA Kit; Granulocyte Colony Stimulating Factor (Human); G-CSF elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Assay Type	Sandwich
Preparation and Storage	Store all reagents at 2-8 degree C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for G-CSF elisa kit

Intended Uses: This G-CSF ELISA kit is intended Laboratory for research use only. The Stop Solution changes the color from blue to yellow and the intensity of the color is measured at 450 nm using a spectrophotometer. In order to measure the concentration of G-CSF in the sample, this G-CSF ELISA Kit includes a set of calibration standards. The calibration standards are assayed at the same time as the samples and allow the operator to produce a standard curve of Optical Density versus G-CSF concentration. The concentration of G-CSF in the samples is then determined by comparing the O.D. of the samples to the standard curve.

Principle of the Assay: This G-CSF enzyme linked immunosorbent assay applies a technique called a quantitative sandwich immunoassay. The microtiter plate provided in this kit has been pre-coated with a monoclonal antibody specific for G-CSF. Standards or samples are then added to the microtiter plate wells and G-CSF if present, will bind to the antibody pre-coated wells. In order to quantitatively determine the amount of G-CSF present in the sample, a standardized preparation of horseradish peroxidase (HRP)-conjugated polyclonal antibody, specific for G-CSF are added to each well to "sandwich" the G-CSF immobilized on the plate. The microtiter plate undergoes incubation, and then the wells are thoroughly washed to remove all unbound components. Next, A and B substrate solution is added to each well. The enzyme (HRP) and substrate are allowed to react over a short incubation period. Only those wells that contain G-CSF and enzyme-conjugated antibody will exhibit a change in colour. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the colour change is measured spectrophotometrically at a wavelength of 450 nm.

NCBI AND UNIPROT INFORMATION

NCBI GI #	297660573
NCBI GeneID	1440
UniProt Accession #	P09919; Q5FBY7; Q6FH65; Q8N4W3
Molecular Weight	22,293 Da
NCBI Official Full Name	granulocyte colony-stimulating factor
NCBI Official Synonym Full Names	colony stimulating factor 3 (granulocyte)
NCBI Official Symbol	CSF3
NCBI Official Synonym Symbols	GCSF; CSF3OS; C17orf33; MGC45931
NCBI Protein Information	granulocyte colony-stimulating factor; filgrastim; lenograstim; pluripoietin; OTTHUMP00000164325; OTTHUMP00000164326; OTTHUMP00000164327; OTTHUMP00000164328
UniProt Protein Name	Granulocyte colony-stimulating factor
UniProt Gene Name	CSF3
UniProt Synonym Gene Names	C17orf33; GCSF
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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/g-csf-human-elisa-kits/granulocyte-colony-stimulating-factor/84324>