

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

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CATALOG #
AAA84366

REACTIVITY
GuineaPig

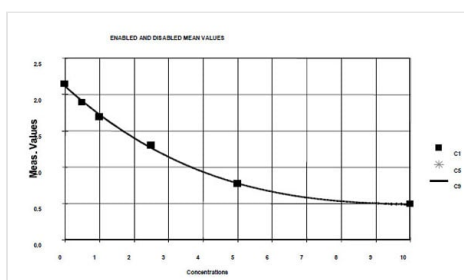
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	GuineaPig
Samples	Cell culture fluid & body fluid & tissue homogenate Serum or blood plasma
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

For Samples: Cell culture fluid & body fluid & tissue homogenate Serum or blood plasma

Intended Uses: This G-CSF ELISA kit is intended for laboratory 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 in the samples is then determined by comparing the O.D. of the samples to the standard curve.

Principle of the Assay: The coated well immunoenzymatic assay for the quantitative measurement of G-CSF utilizes a monoclonal anti-G-CSF antibody and an G-CSF -HRP conjugate. The assay sample and buffer are incubated together with G-CSF -HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the G-CSF concentration since G-CSF from samples and G-CSF -HRP conjugate compete for the anti-G-CSF antibody binding site. Since the number of sites is limited, as more sites are occupied by G-CSF from the sample, fewer sites are left to bind G-CSF -HRP conjugate. Standards of known G-CSF concentrations are run concurrently with the samples being assayed and a standard curve is plotted relating the intensity of the color (Optical Density) to the concentration of G-CSF . The G-CSF concentration in each sample is interpolated from this standard curve.

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.

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Online datasheet: <https://stage.aaabiotech.com/g-csf-pig-elisa-kits/granulocyte-colony-stimulating-factor/84366>