

Monkey Granulocyte Colony Stimulating Factor ELISA Kit | GCSF elisa kit

Monkey Granulocyte Colony Stimulating Factor ELISA Kit

CATALOG #
AAA89100

REACTIVITY
Monkey

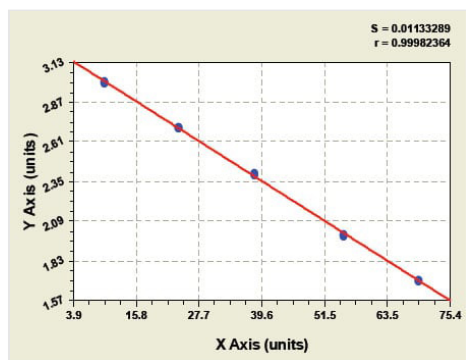
PRODUCT SYNONYMS

Granulocyte Colony Stimulating Factor; Monkey Granulocyte Colony Stimulating Factor ELISA Kit; GCSF elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Monkey
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Sandwich
Detection Range	50-1000pg/mL
Sensitivity	1.0pg/mL
Intended Uses	This GCSF ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Monkey GCSF. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GCSF elisa kit

Principle of the assay: GCSF ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-GCSF antibody and an GCSF-HRP conjugate. The assay sample and buffer are incubated together with GCSF-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 GCSF concentration since GCSF from samples and GCSF-HRP conjugate compete for the anti-GCSF antibody binding site. Since the number of sites is limited, as more sites are occupied by GCSF from the sample, fewer sites are left to bind GCSF-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The GCSF concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	297660573
NCBI GeneID	1440
Molecular Weight	18,434 Da
NCBI Official Full Name	granulocyte colony-stimulating factor, partial
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.