

Human G-CSF ELISA Kit | G-CSF elisa kit

Human G-CSF ELISA Kit

CATALOG # AAA332536	REACTIVITY Human	APPLICATIONS ELISA
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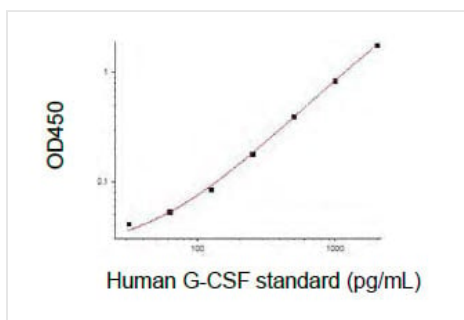
PRODUCT SYNONYMS

G-CSF; Human G-CSF ELISA Kit; C17orf33; Colony stimulating factor 3 (granulocyte); CSF 3; CSF beta; CSF3; CSF3OS; Csfg; Filgrastim; GCSA; GCSF; Granulocyte colony stimulating fact; Lenograstim; Macrophage granulocyte inducer 2; G-CSF elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human G-CSF ELISA Kit has high sensitivity and excellent specificity for detection of Human G-CSF. No significant cross-reactivity or interference between Human G-CSF and analogues was observed.
Assay Type	Sandwich
Samples	Serum, Plasma, Cell culture supernatants
Detection Range	31.25 pg/mL-2,000 pg/mL
Sensitivity	16 pg/mL
Applicable Applications for G-CSF elisa kit	ELISA
Intra-assay Precision	Intra-assay Precision: The CV (%)?10%.
Inter-assay Precision	Inter-assay Precision :The CV (%)?12%
Preparation and Storage	The unopened kit should be stored at 2 - 8 degree C. After opening, please store refer to protocols.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for G-CSF elisa kit	Principle of the Assay: Granulocyte-colony stimulating factor (G-CSF) is a 24-25 kDa monomeric glycoprotein that regulates the proliferation, differentiation, and activation of hematopoietic cells in the neutrophilic granulocyte lineage. Mature human G-CSF is a 178 amino acid (aa) O-glycosylated protein that contains two intrachain disulfide bridges. Human G-CSF ELISA Kit employs a double antibody sandwich method to quantitate Human G-CSF in samples. An antibody specific for Human G-CSF has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any Human G-CSF present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for Human G-CSF is added to the wells. After washing, proprietary Streptavidin-HRP conjugates is added to the wells. Following a wash to remove any unbound streptavidin-enzyme reagent, adding HRP Substrate (TMB), TMB turns blue under the catalysis of HRP, and turns yellow after adding stop solution. Measure the OD value with a microplate reader at 450nm wavelength. The G-CSF concentration is proportional to the OD450 nm value.
Product Categories/Family for G-CSF elisa kit	ELISA Assay Kit; Protein

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.