

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

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CATALOG #
AAA182573

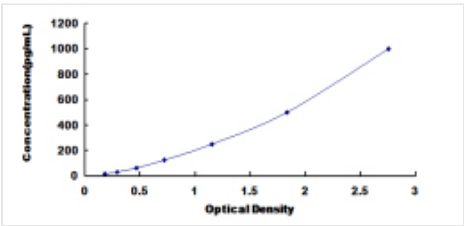
REACTIVITY
Rat

PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of Colony Stimulating Factor 3, Granulocyte (GCSF). No significant cross-reactivity or interference between Colony Stimulating Factor 3, Granulocyte (GCSF) and analogues was observed.
Sequence Length	863
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Tissue Homogenates, Cell Lysates, Cell Culture Supernates and Other Biological Fluids
Detection Range	7.8-500pg/mL
Sensitivity	< 2.7pg/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Colony Stimulating Factor 3, Granulocyte (GCSF) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Colony Stimulating Factor 3, Granulocyte (GCSF) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	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.



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GCSF elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Colony Stimulating Factor 3, Granulocyte (GCSF). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Colony Stimulating Factor 3, Granulocyte (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 Colony Stimulating Factor 3, Granulocyte (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 Colony Stimulating Factor 3, Granulocyte (GCSF) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	119627763
NCBI GeneID	1441
UniProt Accession #	Q99062
Molecular Weight	86,609 Da
NCBI Official Full Name	colony stimulating factor 3 receptor (granulocyte), isoform CRA_e
NCBI Official Synonym Full Names	colony stimulating factor 3 receptor
NCBI Official Symbol	CSF3R
NCBI Official Synonym Symbols	SCN7; CD114; GCSFR
NCBI Protein Information	granulocyte colony-stimulating factor receptor
UniProt Protein Name	Granulocyte colony-stimulating factor receptor
UniProt Gene Name	CSF3R
UniProt Synonym Gene Names	GCSFR; G-CSF receptor; G-CSF-R

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/rat-elisa-kits/colony-stimulating-factor-3-granulocyte-gcsf/182573>