

Human Granulocyte Colony Stimulating Factor Receptor ELISA Kit | GCSFR elisa kit

Human Granulocyte Colony Stimulating Factor Receptor ELISA Kit

CATALOG #
AAA86331

REACTIVITY
Human

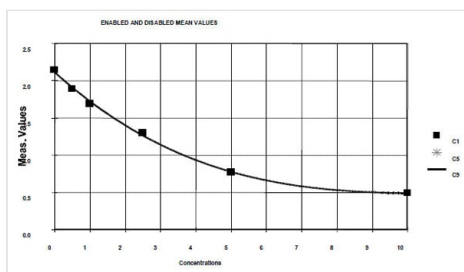
PRODUCT SYNONYMS

Granulocyte Colony Stimulating Factor Receptor; Human Granulocyte Colony Stimulating Factor Receptor ELISA Kit; GCSFR elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	0.5-10ng/mL
Sensitivity	0.1ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GCSFR elisa kit	For Samples: Cell culture fluid & body fluid & tissue homogenate Serum or blood plasma Intended Uses: This GCSFR 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 GCSFR in the sample, this GCSFR 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 GCSFR 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 GCSFR utilizes a multiclonal anti-GCSFR antibody and an GCSFR-HRP conjugate. The assay sample and buffer are incubated together with GCSFR-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 GCSFR concentration since GCSFR from samples and GCSFR-HRP conjugate compete for the anti-GCSFR antibody binding site. Since the number of sites is limited, as more sites are occupied by GCSFR from the sample, fewer sites are left to bind GCSFR-HRP conjugate. Standards of known GCSFR 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 GCSFR. The GCSFR concentration in each sample is interpolated from this standard curve.
Product Categories/Family for GCSFR elisa kit	Immunology

NCBI AND UNIPROT INFORMATION

NCBI GI #	485364
NCBI GeneID	1441
Molecular Weight	86,609 Da
NCBI Official Full Name	granulocyte colony-stimulating factor receptor
NCBI Official Synonym Full Names	colony stimulating factor 3 receptor (granulocyte)
NCBI Official Symbol	CSF3R
NCBI Official Synonym Symbols	CD114; GCSFR
NCBI Protein Information	granulocyte colony-stimulating factor receptor; G-CSF-R; CD114 antigen; G-CSF receptor
UniProt Protein Name	Granulocyte colony-stimulating factor receptor
UniProt Gene Name	CSF3R
UniProt Synonym Gene Names	GCSFR; G-CSF receptor; G-CSF-R
UniProt Entry Name	CSF3R_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/gcsfr-human-elisa-kits/granulocyte-colony-stimulating-factor-receptor/86331>