

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

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CATALOG #
AAA82115

REACTIVITY
Rat

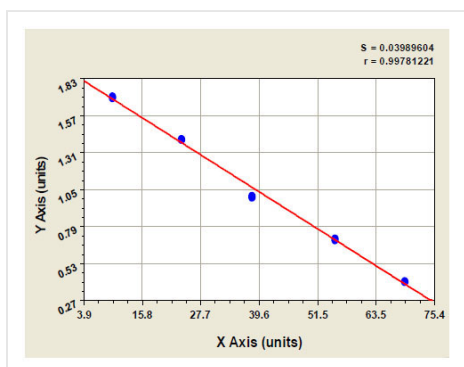
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	0.1 ng/mL.
Intended Uses	This G-CSFR ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat G-CSFR. 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 GCSFR elisa kit

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

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Online datasheet: <https://stage.aaabiotech.com/gcsfr-rat-elisa-kits/granulocyte-colony-stimulating-factor-receptor/82115>