

Human CSF3R/G-CSF R PicoKine ELISA Kit | CSF3R elisa kit

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CATALOG #
AAA46152

REACTIVITY
Human

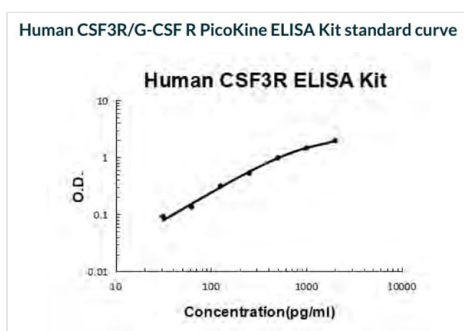
PRODUCT SYNONYMS

CSF3R/G-CSF R PicoKine; Human CSF3R/G-CSF R PicoKine ELISA Kit; Granulocyte colony-stimulating factor receptor; CD 114; CD114; CD114 antigen; Colony stimulating factor 3 receptor (granulocyte); Colony stimulating factor 3 receptor; CSF 3R; CSF3R; CSF3R_HUMAN; Csfgr; G CSF R; G-CSF receptor; G-CSF-R; GCSFR; Granulocyte colony stimulating factor receptor; OTTHUMP00000009703; OTTHUMP00000009704; OTTHUMP00000009705 ; colony stimulating factor 3 receptor (granulocyte); CSF3R elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant Human CSF3R
Sequence Length	836
Samples	Cell culture supernatants, cell lysates, serum and plasma (heparin, EDTA)
Detection Range	31.2 pg/ml - 2,000 pg/ml
Sensitivity	<10 pg/ml
Intra-assay Precision	Intra-Assay Precision (Precision within an assay): Three samples of known concentration were tested on one plate to assess intra-assay precision.
Inter-assay Precision	Inter-Assay Precision (Precision across assays): Three samples of known concentration were tested in separate assays to assess inter-assay precision.
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CSF3R elisa kit	Background: The granulocyte colony-stimulating factor receptor (G-CSF-R), also known as CD114 (Cluster of Differentiation 114), is a protein that in humans is encoded by the CSF3R gene. It is mapped to 1p35-p34.3. G-CSF-R is a cell-surface receptor for the granulocyte colony-stimulating factor (G-CSF). And the G-CSF-R is a transmembrane receptor that consists of an extracellular ligand-binding portion, a transmembrane domain, and the cytoplasmic portion that is responsible for signal transduction. In addition, GCSF-R ligand-binding is associated with dimerization of the receptor and signal transduction through proteins including Jak, Lyn, STAT, andErk1/2. Principle of the Assay: The Picokine™ Human CSF3R Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid-phase immunoassay specially designed to measure Human CSF3R with a 96-well strip plate that is pre-coated with antibody specific for CSF3R. The detection antibody is a biotinylated antibody specific for CSF3R. The capture antibody is monoclonal antibody from mouse and the detection antibody is polyclonal antibody from goat. The kit includes Human CSF3R protein as standards. To measure Human CSF3R, add standards and samples to the wells, then add the biotinylated detection antibody. Wash the wells with PBS or TBS buffer, and add Avidin-Biotin-Peroxidase Complex (ABC-HRP). Wash away the unbounded ABC-HRP with PBS or TBS buffer and add TMB. TMB is an HRP substrate and will be catalyzed to produce a blue color product, which changes into yellow after adding the acidic stop solution. The absorbance of the yellow product at 450nm is linearly proportional to Human CSF3R in the sample. Read the absorbance of the yellow product in each well using a plate reader, and benchmark the sample wells' readings against the standard curve to determine the concentration of Human CSF3R in the sample.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4503081
NCBI GeneID	1441
NCBI Accession #	NP_000751.1
NCBI GenBank Nucleotide #	NM_000760.3
UniProt Accession #	Q99062
Molecular Weight	86,609 Da
NCBI Official Full Name	granulocyte colony-stimulating factor receptor isoform a
NCBI Official Synonym Full Names	colony stimulating factor 3 receptor
NCBI Official Symbol	CSF3R
NCBI Official Synonym Symbols	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
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/human-elisa-kits/csf3r-g-csf-r-picokine/46152>