

Human colony stimulating factor 2 (granulocyte-macrophage) ELISA Kit | CSF2 elisa kit

Human Granulocyte-Macrophage Colony Stimulating Factor, GM-CSF ELISA Kit

CATALOG #
AAA80025

REACTIVITY
Human

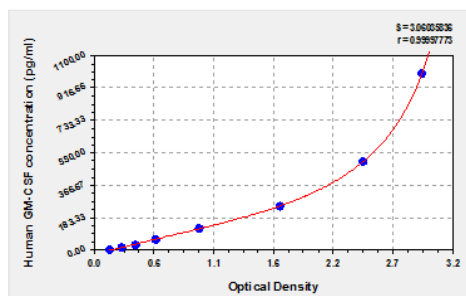
PRODUCT SYNONYMS

colony stimulating factor 2 (granulocyte-macrophage); Human Granulocyte-Macrophage Colony Stimulating Factor; GM-CSF ELISA Kit; GMCSF; MGC131935; MGC138897; colony stimulating factor 2; granulocyte-macrophage colony stimulating factor; molgramostin; sargramostim; CSF2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of human GM-CSF. No significant cross-reactivity or interference between human GM-CSF and analogues was observed.
Sequence Length	144
Samples	Serum, plasma, cell culture supernates
Assay Type	Sandwich
Detection Range	1.56 pg/ml -100 pg/ml.
Sensitivity	The minimum detectable dose of human GM-CSF is typically less than 0.39 pg/ml. The sensitivity of this assay, or Lower Limit of Detection (LLD) was defined as the lowest protein concentration that could be differentiated from zero. It was determined the mean O.D value of 20 replicates of the zero standard added by their three standard deviations.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess.
Inter-assay Precision	Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CSF2 elisa kit	Principle of the assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for GM-CSF has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any GM-CSF present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for GM-CSF is added to the wells. After washing, avidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of GM-CSF bound in the initial step. The color development is stopped and the intensity of the color is measured.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	27437030
NCBI GeneID	1437
NCBI Accession #	NP_000749.2
NCBI GenBank Nucleotide #	NM_000758.3
UniProt Accession #	P04141; Q14CE8; Q2VPI8; Q8NFI6
Molecular Weight	16,295 Da
NCBI Official Full Name	granulocyte-macrophage colony-stimulating factor
NCBI Official Synonym Full Names	colony stimulating factor 2 (granulocyte-macrophage)
NCBI Official Symbol	CSF2
NCBI Official Synonym Symbols	GMCSF
NCBI Protein Information	granulocyte-macrophage colony-stimulating factor; CSF; molgramostin; sargramostim
UniProt Protein Name	Granulocyte-macrophage colony-stimulating factor
UniProt Gene Name	CSF2
UniProt Synonym Gene Names	GMCSF; GM-CSF; CSF
UniProt Entry Name	CSF2_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/csf2-human-elisa-kits/colony-stimulating-factor-2-granulocyte-macrophage/80025>