

Human Granulocyte-Macrophage Colony Stimulating Factor ELISA Kit | GM-CSF elisa kit

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CATALOG #
AAA83631

REACTIVITY
Human

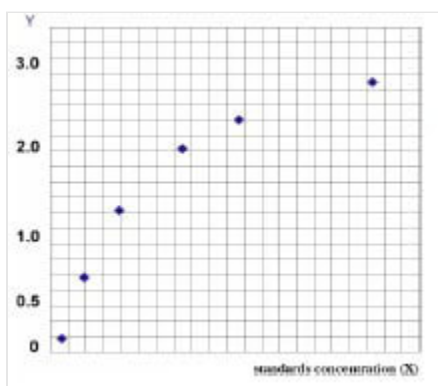
PRODUCT SYNONYMS

Granulocyte-Macrophage Colony Stimulating Factor; Human Granulocyte-Macrophage Colony Stimulating Factor ELISA Kit; Human Granulocyte-Macrophage Colony Stimulating Factor (GM-CSF) ELISA Kit; Granulocyte-Macrophage Colony Stimulating Factor (Human); GM-CSF elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Assay Type	Sandwich
Preparation and Storage	Store all reagents at 2-8 degree C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GM-CSF elisa kit

Intended Uses: This GM-CSF ELISA kit is intended Laboratory for 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 GM-CSF in the sample, this GM-CSF 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 GM-CSF concentration. The concentration of GM-CSF in the samples is then determined by comparing the O.D. of the samples to the standard curve.

Principle of the Assay: This GM-CSF enzyme linked immunosorbent assay applies a technique called a quantitative sandwich immunoassay. The microtiter plate provided in this kit has been pre-coated with a monoclonal antibody specific for GM-CSF. Standards or samples are then added to the microtiter plate wells and GM-CSF if present, will bind to the antibody pre-coated wells. In order to quantitatively determine the amount of GM-CSF present in the sample, a standardized preparation of horseradish peroxidase (HRP)-conjugated polyclonal antibody, specific for GM-CSF are added to each well to "sandwich" the GM-CSF immobilized on the plate. The microtiter plate undergoes incubation, and then the wells are thoroughly washed to remove all unbound components. Next, A and B substrate solution is added to each well. The enzyme (HRP) and substrate are allowed to react over a short incubation period. Only those wells that contain GM-CSF and enzyme-conjugated antibody will exhibit a change in colour. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the colour change is measured spectrophotometrically at a wavelength of 450 nm.

NCBI AND UNIPROT INFORMATION

NCBI GI #	183364
NCBI GeneID	1437
UniProt Accession #	P04141; Q14CE8; Q2VPI8; Q8NFI6; Q647J8
Molecular Weight	16,295 Da
NCBI Official Full Name	GM-CSF
NCBI Official Synonym Full Names	colony stimulating factor 2 (granulocyte-macrophage)
NCBI Official Symbol	CSF2
NCBI Official Synonym Symbols	GMCSF; MGC131935; MGC138897
NCBI Protein Information	granulocyte-macrophage colony-stimulating factor; CSF; molgramostin; sargramostim; OTTHUMP00000065962; granulocyte-macrophage colony stimulating factor
UniProt Protein Name	Granulocyte-macrophage colony-stimulating factor
UniProt Gene Name	CSF2
UniProt Synonym Gene Names	GMCSF
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.