

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

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CATALOG #
AAA91815

REACTIVITY
Goat

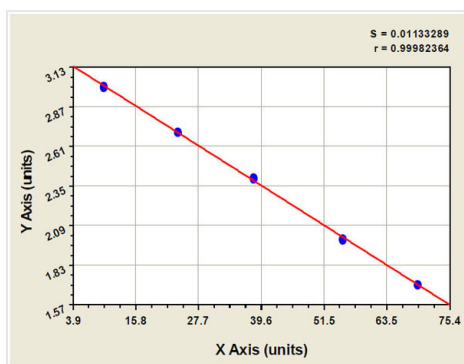
PRODUCT SYNONYMS

Granulocyte-Macrophage Colony-Stimulating Factor; Goat Granulocyte-Macrophage Colony-Stimulating Factor ELISA Kit; GM-CSF elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Goat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	1.0 pg/mL.
Intended Uses	This GM-CSF ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Goat GM-CSF. 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 GM-CSF elisa kit

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

Product Categories/Family for GM-CSF elisa kit

Immunology

NCBI AND UNIPROT INFORMATION

NCBI GI #	183364
NCBI GeneID	1437
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
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/gm-csf-goat-elisa-kits/granulocyte-macrophage-colony-stimulating-factor/91815>