

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

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CATALOG #
AAA88631

REACTIVITY
Chicken

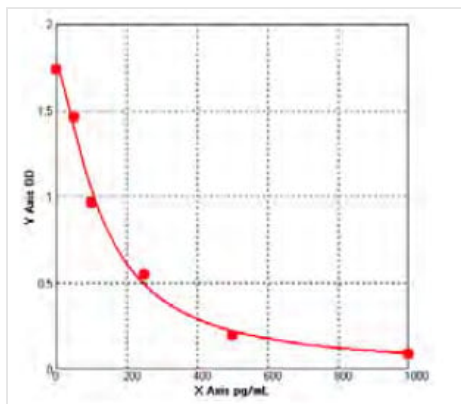
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Chicken
Specificity	This assay has high sensitivity and excellent specificity for detection of GM-CSF. No significant cross-reactivity or interference between GM-CSF and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between GM-CSF and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	1.0 pg/mL
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 a 1.5 hour solid-phase ELISA designed for the quantitative determination of Chicken GM-CSF. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: GM-CSF ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal 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
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
NCBI Protein Information	granulocyte-macrophage colony-stimulating factor; CSF; molgramostin; sargramostin; granulocyte-macrophage colony stimulating factor
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-chicken-elisa-kits/granulocyte-macrophage-colony-stimulating-factor/88631>