

Canine Granulocyte colony-stimulating factor (CSF3) ELISA Kit | CSF3 elisa kit

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CATALOG #
AAA246928

REACTIVITY
Canine

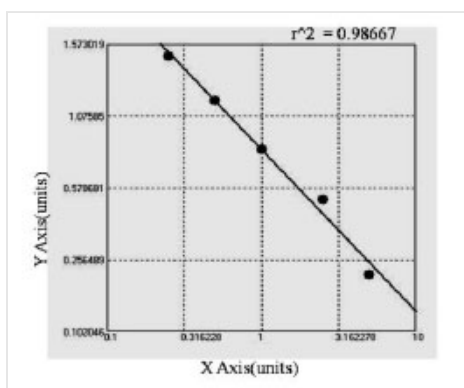
PRODUCT SYNONYMS

Granulocyte colony-stimulating factor (CSF3); Canine Granulocyte colony-stimulating factor (CSF3) ELISA Kit; CSF3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Competitive (Quantitative)
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 CSF3 elisa kit

Intended Uses: This G-CSF ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine G-CSF. This ELISA kit for research use only!

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

NCBI AND UNIPROT INFORMATION

NCBI GI #	183041
NCBI GeneID	1440
Molecular Weight	18,434 Da
NCBI Official Full Name	granulocyte colony stimulating factor
NCBI Official Synonym Full Names	colony stimulating factor 3 (granulocyte)
NCBI Official Symbol	CSF3
NCBI Official Synonym Symbols	GCSF; CSF3OS; C17orf33
NCBI Protein Information	granulocyte colony-stimulating factor; filgrastim; lenograstim; pluripoietin
UniProt Protein Name	Granulocyte colony-stimulating factor
UniProt Gene Name	CSF3
UniProt Synonym Gene Names	C17orf33; GCSF; G-CSF
UniProt Entry Name	CSF3_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.