

Canine Growth Differentiation Factor 10 ELISA Kit | GDF10 elisa kit

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CATALOG #
AAA92107

REACTIVITY
Canine

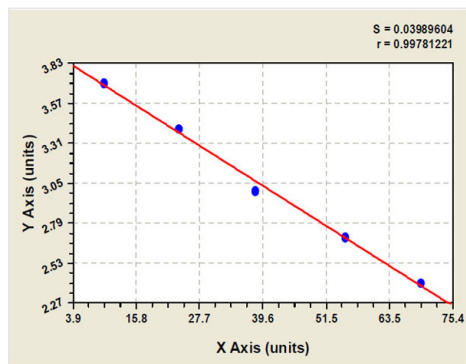
PRODUCT SYNONYMS

Growth Differentiation Factor 10; Canine Growth Differentiation Factor 10 ELISA Kit; GDF10 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Sandwich
Detection Range	250-5000pg/mL
Sensitivity	1.0pg/mL
Intended Uses	This GDF10 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine GDF10. 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 GDF10 elisa kit

Principle of the Assay: GDF10 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-GDF10 antibody and an GDF10-HRP conjugate. The assay sample and buffer are incubated together with GDF10-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 GDF10 concentration since GDF10 from samples and GDF10-HRP conjugate compete for the anti-GDF10 antibody binding site. Since the number of sites is limited, as more sites are occupied by GDF10 from the sample, fewer sites are left to bind GDF10-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The GDF10 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	55666369
UniProt Accession #	Q8N6T2
Molecular Weight	32,352 Da
UniProt Protein Name	GDF10 protein
UniProt Entry Name	Q8N6T2_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://www.aaabiotech.com/gdf10-canine-elisa-kits/growth-differentiation-factor-10/92107>