

Canine Growth Differentiation Factor 10 ELISA Kit | GDF10 elisa kit

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CATALOG #
AAA92107

REACTIVITY
Canine

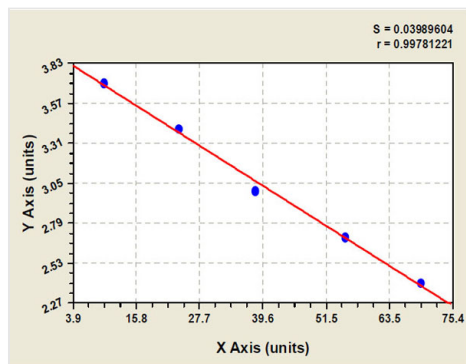
PRODUCT SYNONYMS

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.

Product Categories/Family for GDF10
elisa kit

Cancer

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://stage.aaabiotech.com/gdf10-canine-elisa-kits/growth-differentiation-factor-10/92107>