

Canine Growth Differentiation Factor 1 ELISA Kit | GDF1 elisa kit

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CATALOG #
AAA89423

REACTIVITY
Canine

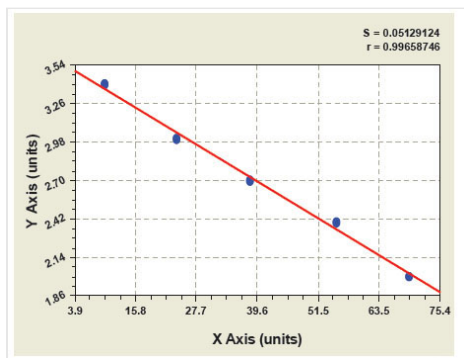
PRODUCT SYNONYMS

Growth Differentiation Factor 1; Canine Growth Differentiation Factor 1 ELISA Kit; GDF1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Sandwich
Detection Range	225-500pg/mL
Sensitivity	1.0pg/mL
Intended Uses	This GDF1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine GDF1. 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 GDF1 elisa kit

Principle of the assay: GDF1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-GDF1 antibody and an GDF1-HRP conjugate. The assay sample and buffer are incubated together with GDF1-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 GDF1 concentration since GDF1 from samples and GDF1-HRP conjugate compete for the anti-GDF1 antibody binding site. Since the number of sites is limited, as more sites are occupied by GDF1 from the sample, fewer sites are left to bind GDF1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The GDF1 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	18490663
NCBI GeneID	2657
Molecular Weight	39,475 Da
NCBI Official Full Name	GDF1 protein
NCBI Official Synonym Full Names	growth differentiation factor 1
NCBI Official Symbol	GDF1
NCBI Official Synonym Symbols	RAI; DORV; DTGA3
NCBI Protein Information	embryonic growth/differentiation factor 1; GDF-1
UniProt Protein Name	Embryonic growth/differentiation factor 1
UniProt Gene Name	GDF1
UniProt Synonym Gene Names	GDF-1
UniProt Entry Name	GDF1_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/gdf1-canine-elisa-kits/growth-differentiation-factor-1/89423>