

Canine Growth Differentiation Factor 11 ELISA Kit | GDF11 elisa kit

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CATALOG #
AAA90306

REACTIVITY
Canine

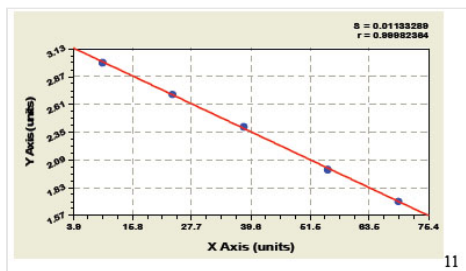
PRODUCT SYNONYMS

Growth Differentiation Factor 11; Canine Growth Differentiation Factor 11 ELISA Kit; GDF11 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	50-1000pg/mL
Sensitivity	1.0pg/mL
Intended Uses	This GDF-11 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine GDF-11. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



ADDITIONAL INFORMATION

Related Product Information for GDF11 elisa kit

Principle of the assay: GDF-11 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-GDF-11 antibody and an GDF-11-HRP conjugate. The assay sample and buffer are incubated together with GDF-11-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 GDF-11 concentration since GDF-11 from samples and GDF-11-HRP conjugate compete for the anti-GDF-11 antibody binding site. Since the number of sites is limited, as more sites are occupied by GDF-11 from the sample, fewer sites are left to bind GDF-11-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The GDF-11 concentration in each sample is interpolated from this standard curve.

Product Categories/Family for GDF11 elisa kit

Cancer

NCBI AND UNIPROT INFORMATION

NCBI GI #	5031613
NCBI GeneID	10220
NCBI Accession #	NP_005802.1
NCBI GenBank Nucleotide #	NM_005811.3
Molecular Weight	45,091 Da
NCBI Official Full Name	growth/differentiation factor 11
NCBI Official Synonym Full Names	growth differentiation factor 11
NCBI Official Symbol	GDF11
NCBI Official Synonym Symbols	BMP11; BMP-11
NCBI Protein Information	growth/differentiation factor 11; GDF-11; bone morphogenetic protein 11
UniProt Protein Name	Growth/differentiation factor 11
UniProt Gene Name	GDF11
UniProt Synonym Gene Names	BMP11; GDF-11; BMP-11
UniProt Entry Name	GDF11_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/gdf11-canine-elisa-kits/growth-differentiation-factor-11/90306>