

Porcine Growth Differentiation Factor 11 ELISA Kit | GDF11 elisa kit

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CATALOG #
AAA89292

REACTIVITY
Porcine

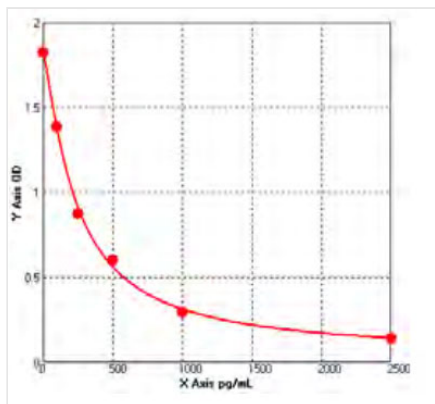
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Porcine
Specificity	This assay has high sensitivity and excellent specificity for detection of GDF-11. No significant cross-reactivity or interference between GDF-11 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between GDF-11 and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
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 GDF11 elisa kit	Principle of the Assay: GDF-11 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal 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. Intended Uses: This GDF-11 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Porcine GDF-11. This ELISA kit for research use only, not for therapeutic or test applications!
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.

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Online datasheet: <https://stage.aaabiotech.com/gdf11-porcine-elisa-kits/growth-differentiation-factor-11/89292>