

Goat Growth Differentiation Factor 11 ELISA Kit | GDF11 elisa kit

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CATALOG #
AAA89533

REACTIVITY
Goat

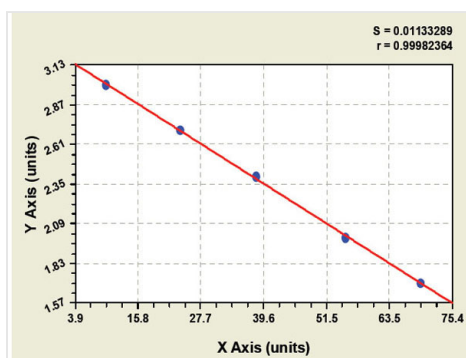
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Goat
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Competitive
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

For samples: Serum, plasma, cell culture supernatants, body fluid and tissue homogenate

INTENDED USE This GDF11 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Goat GDF11. This ELISA kit for research use only!

PRINCIPLE OF THE ASSAY GDF11 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-GDF11 antibody and an GDF11-HRP conjugate. The assay sample and buffer are incubated together with GDF11-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 GDF11 concentration since GDF11 from samples and GDF11-HRP conjugate compete for the anti-GDF11 antibody binding site. Since the number of sites is limited, as more sites are occupied by GDF11 from the sample, fewer sites are left to bind GDF11-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The GDF11 concentration in each sample is interpolated from this standard curve.

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.