

Sheep Growth Differentiation Factor 11 ELISA Kit | GDF11 elisa kit

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CATALOG # AAA93109	REACTIVITY Sheep
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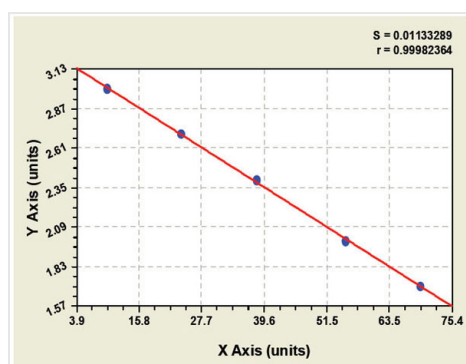
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Sheep
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	1.0 pg/mL.
Intended Uses	This GDF11 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Sheep GDF11. 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 GDF11 elisa kit	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.
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-sheep-elisa-kits/growth-differentiation-factor-11/93109>