

Sheep Growth Differentiation Factor 3 ELISA Kit | GDF3 elisa kit

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CATALOG #
AAA91429

REACTIVITY
Sheep

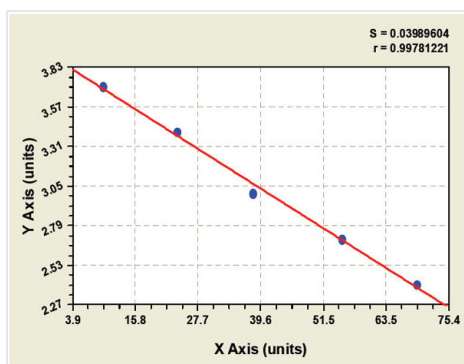
PRODUCT SYNONYMS

Growth Differentiation Factor 3; Sheep Growth Differentiation Factor 3 ELISA Kit; GDF3 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 GDF3 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Sheep GDF3. 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 GDF3 elisa kit

Principle of the Assay: GDF3 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-GDF3 antibody and an GDF3-HRP conjugate. The assay sample and buffer are incubated together with GDF3-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 GDF3 concentration since GDF3 from samples and GDF3-HRP conjugate compete for the anti-GDF3 antibody binding site. Since the number of sites is limited, as more sites are occupied by GDF3 from the sample, fewer sites are left to bind GDF3-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The GDF3 concentration in each sample is interpolated from this standard curve.

Product Categories/Family for GDF3 elisa kit

Cancer

NCBI AND UNIPROT INFORMATION

NCBI GI #	10190670
NCBI GeneID	9573
NCBI Accession #	NP_065685.1
NCBI GenBank Nucleotide #	NM_020634.1
Molecular Weight	41,387 Da
NCBI Official Full Name	growth/differentiation factor 3
NCBI Official Synonym Full Names	growth differentiation factor 3
NCBI Official Symbol	GDF3
NCBI Official Synonym Symbols	KFS3; MCOP7; MCOPCB6
NCBI Protein Information	growth/differentiation factor 3; GDF-3
UniProt Protein Name	Growth/differentiation factor 3
UniProt Gene Name	GDF3
UniProt Synonym Gene Names	UNQ222/PRO248; GDF-3
UniProt Entry Name	GDF3_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/gdf3-sheep-elisa-kits/growth-differentiation-factor-3/91429>