

Bovine Growth Differentiation Factor 7 ELISA Kit | GDF7 elisa kit

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CATALOG #
AAA97049

REACTIVITY
Bovine

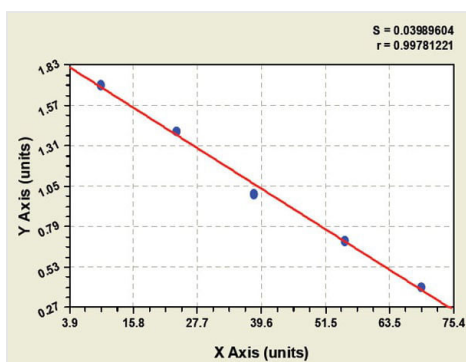
PRODUCT SYNONYMS

Growth Differentiation Factor 7; Bovine Growth Differentiation Factor 7 ELISA Kit; GDF7 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Bovine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	0.1 ng/mL.
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GDF7 elisa kit

Intended Uses: This GDF7 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Bovine GDF7. This ELISA kit for research use only!

Principle of the Assay: GDF7 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-GDF7 antibody and an GDF7-HRP conjugate. The assay sample and buffer are incubated together with GDF7-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 GDF7 concentration since GDF7 from samples and GDF7-HRP conjugate compete for the anti-GDF7 antibody binding site. Since the number of sites is limited, as more sites are occupied by GDF7 from the sample, fewer sites are left to bind GDF7-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The GDF7 concentration in each sample is interpolated from this standard curve.

Product Categories/Family for GDF7 elisa kit

Cancer

NCBI AND UNIPROT INFORMATION

NCBI GI #	40786371
NCBI GeneID	151449
Molecular Weight	46,950 Da
NCBI Official Full Name	growth differentiation factor 7
NCBI Official Synonym Full Names	growth differentiation factor 7
NCBI Official Symbol	GDF7
NCBI Official Synonym Symbols	BMP12
NCBI Protein Information	growth/differentiation factor 7; GDF-7
UniProt Protein Name	Growth/differentiation factor 7
UniProt Gene Name	GDF7
UniProt Synonym Gene Names	GDF-7
UniProt Entry Name	GDF7_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/gdf7-bovine-ovine-elisa-kits/growth-differentiation-factor-7/97049>