

Chicken Growth Differentiation Factor 2 ELISA Kit | GDF2 elisa kit

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CATALOG #
AAA88169

REACTIVITY
Chicken

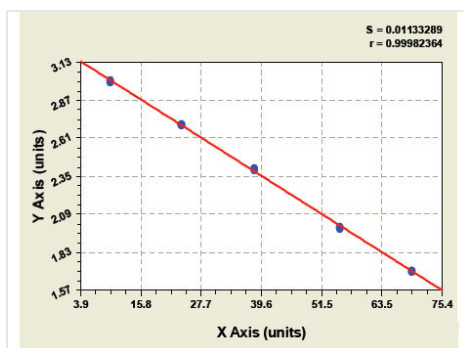
PRODUCT SYNONYMS

Growth Differentiation Factor 2; Chicken Growth Differentiation Factor 2 ELISA Kit; GDF2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Chicken
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	1.0 pg/mL.
Intended Uses	This GDF2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Chicken GDF2. 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 GDF2 elisa kit

Principle of the Assay: GDF2 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-GDF2 antibody and an GDF2-HRP conjugate. The assay sample and buffer are incubated together with GDF2-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 GDF2 concentration since GDF2 from samples and GDF2-HRP conjugate compete for the anti-GDF2 antibody binding site. Since the number of sites is limited, as more sites are occupied by GDF2 from the sample, fewer sites are left to bind GDF2-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The GDF2 concentration in each sample is interpolated from this standard curve.

Product Categories/Family for GDF2 elisa kit

Cancer

NCBI AND UNIPROT INFORMATION

NCBI GI #	7705308
NCBI GeneID	2658
NCBI Accession #	NP_057288.1
NCBI GenBank Nucleotide #	NM_016204.1
UniProt Accession #	Q9UK05; Q5VSQ9; Q9Y571
Molecular Weight	47,320 Da
NCBI Official Full Name	growth/differentiation factor 2
NCBI Official Synonym Full Names	growth differentiation factor 2
NCBI Official Symbol	GDF2
NCBI Official Synonym Symbols	BMP9; BMP-9
NCBI Protein Information	growth/differentiation factor 2; GDF-2; bone morphogenetic protein 9
UniProt Protein Name	Growth/differentiation factor 2
UniProt Gene Name	GDF2
UniProt Synonym Gene Names	BMP9; GDF-2; BMP-9
UniProt Entry Name	GDF2_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://www.aaabiotech.com/gdf2-chicken-elisa-kits/growth-differentiation-factor-2/88169>