

Human Growth Differentiation Factor 6 ELISA Kit | GDF6 elisa kit

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CATALOG #
AAA82748

REACTIVITY
Human

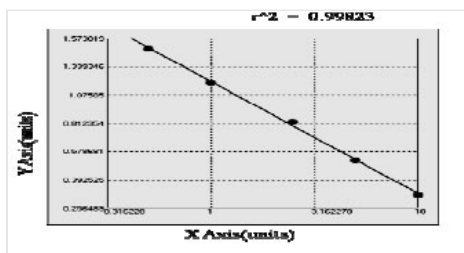
PRODUCT SYNONYMS

Growth Differentiation Factor 6; Human Growth Differentiation Factor 6 ELISA Kit; GDF6 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	2.5-50ng/mL
Sensitivity	0.1ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GDF6 elisa kit

Intended Uses: This GDF-6 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human GDF-6. This ELISA kit for research use only!

Principle of the Assay: GDF-6 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-GDF-6 antibody and an GDF-6-HRP conjugate. The assay sample and buffer are incubated together with GDF-6-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 GDF-6 concentration since GDF-6 from samples and GDF-6-HRP conjugate compete for the anti-GDF-6 antibody binding site. Since the number of sites is limited, as more sites are occupied by GDF-6 from the sample, fewer sites are left to bind GDF-6-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The GDF-6 concentration in each sample is interpolated from this standard curve.

Product Categories/Family for GDF6 elisa kit

Cancer

NCBI AND UNIPROT INFORMATION

NCBI GI #	48475062
NCBI GeneID	392255
NCBI Accession #	NP_001001557.1
NCBI GenBank Nucleotide #	NM_001001557.2
Molecular Weight	50,662 Da
NCBI Official Full Name	growth/differentiation factor 6
NCBI Official Synonym Full Names	growth differentiation factor 6
NCBI Official Symbol	GDF6
NCBI Official Synonym Symbols	KFM; KFS; KFS1; KFSL; SGM1; BMP13; CDMP2; LCA17; MCOP4; SCDO4; BMP-13; MCOPCB6
NCBI Protein Information	growth/differentiation factor 6; GDF-6; Klippel-Feil syndrome; Klip-Feil malformation; Klippel-Feil malformation; bone morphogenetic protein 13; growth/differentiation factor 16
UniProt Protein Name	Growth/differentiation factor 6
UniProt Gene Name	GDF6
UniProt Synonym Gene Names	BMP13; GDF16; GDF-6; BMP-13
UniProt Entry Name	GDF6_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/gdf6-human-elisa-kits/growth-differentiation-factor-6/82748>