

Human Growth Differentiation Factor 7 ELISA Kit | GDF7 elisa kit

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CATALOG #
AAA83205

REACTIVITY
Human

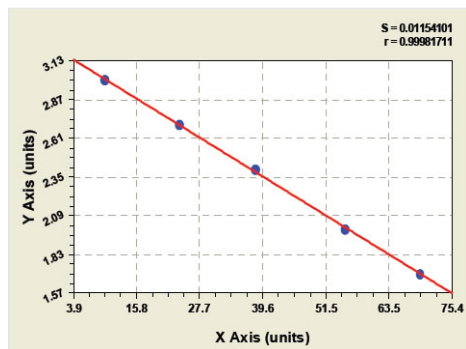
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	0.5-10ng/mL
Sensitivity	0.1ng/mL
Intended Uses	This GDF7 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human GDF7. 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 GDF7 elisa kit

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.

NCBI AND UNIPROT INFORMATION

NCBI GI #	61835232
NCBI GeneID	151449
NCBI Accession #	NP_878248.2
NCBI GenBank Nucleotide #	NM_182828.2
Molecular Weight	46,950 Da
NCBI Official Full Name	growth/differentiation factor 7 preproprotein
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.