

Human Growth Differentiation Factor 5 ELISA Kit | GDF5 elisa kit

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CATALOG #
AAA16419

REACTIVITY
Human

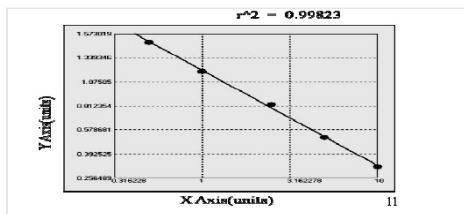
PRODUCT SYNONYMS

Growth Differentiation Factor 5; Human Growth Differentiation Factor 5 ELISA Kit; GDF5 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 GDF-5 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human GDF-5. 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 GDF5 elisa kit

Principle of the assay: GDF-5 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-GDF-5 antibody and an GDF-5-HRP conjugate. The assay sample and buffer are incubated together with GDF-5-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-5 concentration since GDF-5 from samples and GDF-5-HRP conjugate compete for the anti-GDF-5 antibody binding site. Since the number of sites is limited, as more sites are occupied by GDF-5 from the sample, fewer sites are left to bind GDF-5-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The GDF-5 concentration in each sample is interpolated from this standard curve.

Product Categories/Family for GDF5 elisa kit

Cancer

NCBI AND UNIPROT INFORMATION

NCBI GI #	290566063
Molecular Weight	18,733 Da
NCBI Official Full Name	GDF5, partial
UniProt Protein Name	GDF5
UniProt Gene Name	GDF5
UniProt Entry Name	D3YQT0_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/gdf5-human-elisa-kits/growth-differentiation-factor-5/16419>