

Rat Growth Differentiation Factor 3 ELISA Kit | GDF3 elisa kit

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CATALOG #
AAA85259

REACTIVITY
Rat

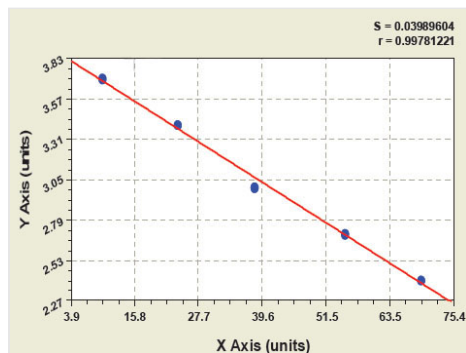
PRODUCT SYNONYMS

Growth Differentiation Factor 3; Rat Growth Differentiation Factor 3 ELISA Kit; GDF3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	250-5000pg/mL
Sensitivity	1.0pg/ml
Intended Uses	This GDF3 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat GDF3. 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 GDF3 elisa kit

Principle of the Assay: GDF3 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-GDF3 antibody and an GDF3-HRP conjugate. The assay sample and buffer are incubated together with GDF3-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 GDF3 concentration since GDF3 from samples and GDF3-HRP conjugate compete for the anti-GDF3 antibody binding site. Since the number of sites is limited, as more sites are occupied by GDF3 from the sample, fewer sites are left to bind GDF3-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The GDF3 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	10190670
NCBI GeneID	9573
NCBI Accession #	NP_065685.1
NCBI GenBank Nucleotide #	NM_020634.1
Molecular Weight	41,387 Da
NCBI Official Full Name	growth/differentiation factor 3
NCBI Official Synonym Full Names	growth differentiation factor 3
NCBI Official Symbol	GDF3
NCBI Official Synonym Symbols	KFS3; MCOP7; MCOPCB6
NCBI Protein Information	growth/differentiation factor 3; GDF-3
UniProt Protein Name	Growth/differentiation factor 3
UniProt Gene Name	GDF3
UniProt Synonym Gene Names	UNQ222/PRO248; GDF-3
UniProt Entry Name	GDF3_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.