

Mouse Growth Differentiation Factor 3 ELISA Kit | GDF3 elisa kit

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CATALOG #
AAA16075

REACTIVITY
Mouse

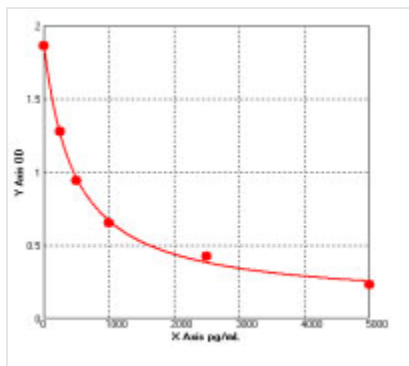
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of GDF3. No significant cross-reactivity or interference between GDF3 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between GDF3 and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	1.0 pg/mL
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 polyclonal 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. Intended Uses: This GDF3 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse GDF3. This ELISA kit for research use only, not for therapeutic or diagnostic applications!
Product Categories/Family for GDF3 elisa kit	Cancer

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.

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Online datasheet: <https://stage.aaabiotech.com/gdf3-mouse-elisa-kits/growth-differentiation-factor-3/16075>