

Mouse Growth Differentiation Factor 9 ELISA Kit | GDF9 elisa kit

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CATALOG #
AAA87918

REACTIVITY
Mouse

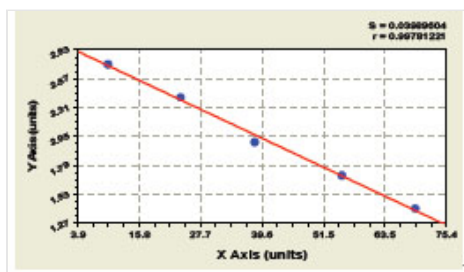
PRODUCT SYNONYMS

Growth Differentiation Factor 9; Mouse Growth Differentiation Factor 9 ELISA Kit; GDF9 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Sandwich
Detection Range	250-5000pg/mL
Sensitivity	1.0pg/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GDF9 elisa kit

For samples: Serum, plasma, cell culture supernatants, body fluid and tissue homogenate

INTENDED USE This GDF-9 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse GDF-9. This ELISA kit for research use only!

PRINCIPLE OF THE ASSAY GDF-9 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-GDF-9 antibody and an GDF-9-HRP conjugate. The assay sample and buffer are incubated together with GDF-9-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-9 concentration since GDF-9 from samples and GDF-9-HRP conjugate compete for the anti-GDF-9 antibody binding site. Since the number of sites is limited, as more sites are occupied by GDF-9 from the sample, fewer sites are left to bind GDF-9-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The GDF-9 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	238625787
NCBI GeneID	100482975
Molecular Weight	51,629 Da
NCBI Official Full Name	growth differentiation factor 9
NCBI Official Symbol	GDF9
NCBI Protein Information	growth differentiation factor 9; growth/differentiation factor 9
UniProt Protein Name	Growth differentiation factor 9
UniProt Gene Name	GDF9
UniProt Entry Name	C5HV43_AILME

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/gdf9-mouse-elisa-kits/growth-differentiation-factor-9/87918>