

Mouse Growth Differentiation Factor 15 ELISA Kit | GDF15 elisa kit

Mouse Growth Differentiation Factor 15 ELISA Kit

CATALOG # AAA15970	REACTIVITY Mouse
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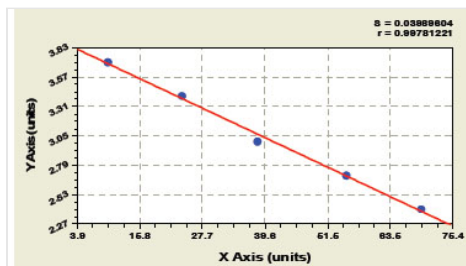
PRODUCT SYNONYMS

Growth Differentiation Factor 15; Mouse Growth Differentiation Factor 15 ELISA Kit; GDF15 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
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 GDF-15 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse GDF-15. 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 GDF15 elisa kit	Principle of the assay: GDF-15 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-GDF-15 antibody and an GDF-15-HRP conjugate. The assay sample and buffer are incubated together with GDF-15-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-15 concentration since GDF-15 from samples and GDF-15-HRP conjugate compete for the anti-GDF-15 antibody binding site. Since the number of sites is limited, as more sites are occupied by GDF-15 from the sample, fewer sites are left to bind GDF-15-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The GDF-15 concentration in each sample is interpolated from this standard curve.
Product Categories/Family for GDF15 elisa kit	Cancer

NCBI AND UNIPROT INFORMATION

NCBI GI #	153792495
NCBI GeneID	9518
NCBI Accession #	NP_004855.2
NCBI GenBank Nucleotide #	NM_004864.2
Molecular Weight	34,140 Da
NCBI Official Full Name	growth/differentiation factor 15
NCBI Official Synonym Full Names	growth differentiation factor 15
NCBI Official Symbol	GDF15
NCBI Official Synonym Symbols	PDF; MIC1; PLAB; MIC-1; NAG-1; PTGFB; GDF-15
NCBI Protein Information	growth/differentiation factor 15; NRG-1; PTGF-beta; placental TGF-beta; NSAID-activated gene 1 protein; NSAID-regulated gene 1 protein; prostate differentiation factor; macrophage inhibitory cytokine 1; placental bone morphogenetic protein; NSAID (nonsteroidal anti-inflammatory drug)-activated protein 1
UniProt Protein Name	Growth/differentiation factor 15
UniProt Gene Name	GDF15
UniProt Synonym Gene Names	MIC1; PDF; PLAB; PTGFB; GDF-15; MIC-1; NAG-1; NRG-1
UniProt Entry Name	GDF15_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/gdf15-mouse-elisa-kits/growth-differentiation-factor-15/15970>