

Human growth differentiation factor 15 ELISA Kit | GDF15 elisa kit

Human growth differentiation factor 15, GDF15 ELISA Kit

CATALOG #
AAA80438

REACTIVITY
Human

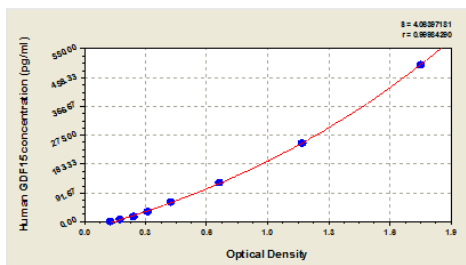
PRODUCT SYNONYMS

growth differentiation factor 15; Human growth differentiation factor 15; GDF15 ELISA Kit; Human growth differentiation factor 15 (GDF15) ELISA Kit; GDF-15; MIC-1; MIC1; NAG-1; PDF; PLAB; PTGFB; NSAID (nonsteroidal anti-inflammatory drug) -activated protein 1; PTGF-beta; prostate differentiation factor; GDF15 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of human GDF15. No significant cross-reactivity or interference between human GDF15 and analogues was observed.
Sequence Length	308
Assay Type	Quantitative Sandwich
Samples	Serum, plasma, tissue homogenates, urine
Detection Range	7.8 pg/ml-500 pg/ml
Sensitivity	< 1.95 pg/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess.
Inter-assay Precision	Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GDF15 elisa kit	Principle of the Assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for GDF15 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any GDF15 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for GDF15 is added to the wells. After washing, avidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of GDF15 bound in the initial step. The color development is stopped and the intensity of the color is measured.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	153792495
NCBI GeneID	9518
NCBI Accession #	NP_004855.2
NCBI GenBank Nucleotide #	NM_004864.2
UniProt Accession #	Q99988; O14629; P78360; Q9BWA0; Q9NRT0
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.