

Human GDF15 ELISA Kit | GDF15 elisa kit

Human GDF15 ELISA Kit

CATALOG #
AAA258407

REACTIVITY
Human

PRODUCT SYNONYMS

GDF15; Human GDF15 ELISA Kit; GDF15 ELISA Kit; Human; growth differentiation factor 15; GDF-15 ELISA Kit; MIC-1 ELISA Kit; MIC1 ELISA Kit; NAG-1 ELISA Kit; PDF ELISA Kit; PLAB ELISA Kit; PTGFB ELISA Kit; GDF15 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	For the quantitative determination of Human GDF15 concentration in serum, urine and plasma.
Assay Type	Solid Phase Sandwich ELISA (quantitative)
Sample Types	Serum, Urine, Plasma
Detection Range	6.25-400pg/mL
Sensitivity	1.39pg/mL
Conjugation	HRP
Materials Provided	1. 96 well microplate coated with Capture Antibody 2. Detection Antibody conjugated to HRP 3. Standards 4. Wash Buffer Concentrate 5. Dilution Buffer Concentrate 6. Color Reagent A 7. Color Reagent B 8. Stop Solution

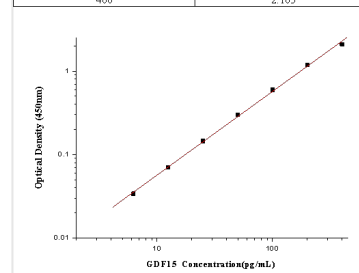
IMAGES

Recombinant human			
IL-1	IL-2	IL-33	IL-10
IL-8	TNF- α	IL-4	IL-6
IFN- γ	MIP-1 β	TIMP-1	TIMP-2
GM-CSF	SCF	PDGF	VEGF

Application Data

This assay recognizes both recombinant and natural Human GDF15. The factors listed below were prepared at 50ng/mL in dilution buffer and assayed for cross-reactivity. No cross-reactivity was observed.

Concentration (pg/mL)	Zero standard subtracted OD
0	0
6.25	0.034
12.5	0.070
25	0.145
50	0.301
100	0.597
200	1.184
400	2.103



Standard Curve (Sample)

This standard curve is only for demonstration purposes. A standard curve should be generated for each assay.

ADDITIONAL INFORMATION

Related Product Information for GDF15 elisa kit	This GDF15 ELISA Kit, Human is an enzyme-linked immunosorbent assay for the quantitative measurement of Human GDF15 protein in Serum, Urine, Plasma. It contains recombinant Human GDF15, and antibodies raised against the recombinant protein. This ELISA kit is complete and ready-to-use. Background: Growth-differentiation factor 15 (GDF15), also known as MIC-1, is a secreted member of the transforming growth factor (TGF)-beta superfamily, as a novel antihypertrophic regulatory factor in the heart. GDF-15/GDF15 is not expressed in the normal adult heart but is induced in response to conditions that promote hypertrophy and dilated cardiomyopathy and it is expressed highly in liver. GDF-15/GDF15 has a role in regulating inflammatory and apoptotic pathways in injured tissues and during disease processes. GDF-15/GDF15 is synthesized as precursor molecules that are processed at a dibasic cleavage site to release C-terminal domains containing a characteristic motif of 7 conserved cysteines in the mature protein. GDF-15/GDF15 overexpression arising from an expanded erythroid compartment contributes to iron overload in thalassemia syndromes by inhibiting hepcidin expression.
References	Ago T, et al. (2006) GDF15, a cardioprotective TGF-beta superfamily protein. Circ Res. 98 (3): 294-297. Hsiao E, et al. (2000) Characterization of growth-differentiation factor 15, a transforming growth factor beta superfamily member induced following liver injury. Mol Cell Biol. 20 (10): 3742-51. Zimmers T, et al. (2005) Growth differentiation factor-15/macrophage inhibitory cytokine-1 induction after kidney and lung injury. Shock. 23 (6): 543-8.

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/human-elisa-kits/gdf15/258407>