

Datasheet for ABIN6720167
GDF15 ELISA Kit

1 Image

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Overview

Quantity:	1 kit
Target:	GDF15
Reactivity:	Human
Method Type:	Sandwich ELISA
Detection Range:	31.2 pg/mL - 2000 pg/mL
Minimum Detection Limit:	31.2 pg/mL
Application:	ELISA

Product Details

Purpose:	Sandwich ELISA for Quantitative Detection of Antigen
Sample Type:	Cell Culture Supernatant, Plasma (EDTA - heparin), Serum
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Characteristics:	<p>Synonyms: Growth/differentiation factor 15, Macrophage inhibitory cytokine 1, MIC 1, NAG-1, NRG-1, NSAID-activated gene 1 protein, NSAID-regulated gene 1 protein, PDF, PLAB, Placental bone morphogenetic protein, Placental TGF-beta, Prostate differentiation factor, PROSTATE-DERIVED FACTOR, PTGFB</p> <p>Background: GDF-15(Growth differentiation factor 15),also known as TGF-PL, MIC-1, PDF, PLAB, and PTGFB, is a protein belonging to the transforming growth factor beta superfamily that has a role in regulating inflammatory and apoptotic pathways in injured tissues and during disease processes. Using FISH, the MIC1 gene is mapped to 19p13.2-p13.1. Its expression in</p>

Product Details

liver can be significantly up-regulated in during injury of organs such as liver, kidney, heart and lung. GDF15 showed increased expression and secretion during erythroblast maturation. GDF15 functions as an antiinflammatory cytokine by directly interfering with chemokine signaling and integrin activation.

Gene Name: GDF15

Production: Natural and recombinant human GDF-15. There is no detectable cross-reactivity with other relevant proteins.

Standard: Expression system for standard: CHO, Immunogen sequence: A197-I308

Target Details

Target:	GDF15
Alternative Name:	GDF-15 (GDF15 Products)
Gene ID:	9518
NCBI Accession:	NP_004855
UniProt:	Q99988
Pathways:	SARS-CoV-2 Protein Interactome

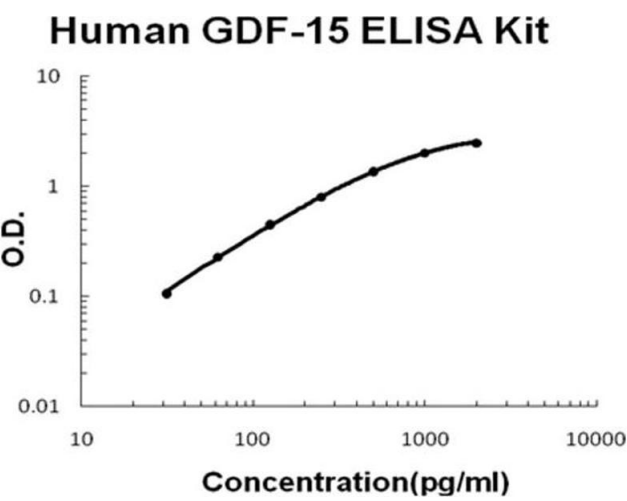
Application Details

Application Notes:	<p>Application Note: Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1 mL per well of the 2000pg/mL, 1000pg/mL, 500pg/mL, 250pg/mL, 125pg/mL, 62.5pg/mL, 31.2pg/mL human GDF-15 standard solutions into the precoated 96-well plate. Add 0.1 mL of the sample diluent buffer into the control well (Zero well). Add 0.1 mL of each properly diluted sample of human cell culture supernates, serum or plasma(heparin, EDTA) to each empty well. It is recommended that each human GDF-15 standard solution and each sample be measured in duplicate.</p> <p>Blood Product Anticoagulant: Heparin Sodium</p> <p>ELISA Dilution: 31.2pg/mL-2000pg/mL</p>
Sample Volume:	100 µL
Plate:	Pre-coated
Restrictions:	For Research Use only

Handling

Storage:	RT,4 °C,-20 °C
Storage Comment:	Store vials at 4°C prior to opening. Centrifuge product if not completely clear after standing at room temperature. This product is stable for 6 months at 4°C as an undiluted liquid. Dilute only prior to immediate use. For extended storage freeze at -20°C or below for 12 months. Avoid cycles of freezing and thawing.

Images



ELISA

Image 1. Human GDF-15 Accusignal ELISA Kit Human GDF-15 AccuSignal ELISA Kit standard curve. Assay Range: 31.2pg/ml-2000pg/ml. Sensitivity: <10pg/ml.