

ARG83881 Human GDF10 ELISA Kit

Package: 96 wells
Store at: 4°C

Summary

Product Description	ARG83881 Human GDF10 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human GDF10 in serum, plasma, tissue homogenates, cell lysates, cell culture supernates
Tested Reactivity	Hu
Tested Application	ELISA
Target Name	GDF10
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	19.34 pg/mL
Sample Type	serum, plasma, tissue homogenates, cell lysates, cell culture supernates
Standard Range	31.25-2000 pg/mL
Sample Volume	100 µL
Alternate Names	BMP-3B; BMP3B; Bone Morphogenetic Protein 3B

Application Instructions

Assay Time	3.5 hours
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Properties

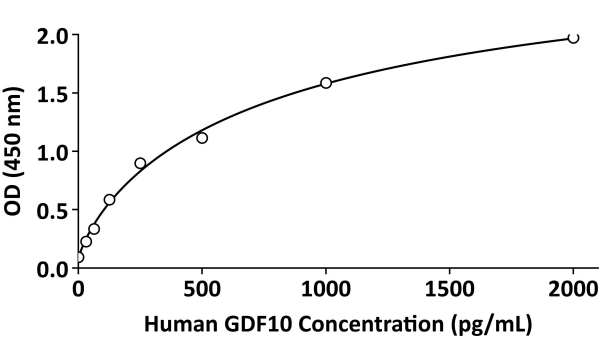
Form	96 well
Storage instruction	Store the kit at 2-8°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	GDF10
Gene Full Name	Growth Differentiation Factor 10
Background	This gene encodes a secreted ligand of the TGF-beta (transforming growth factor-beta) superfamily of proteins. Ligands of this family bind various TGF-beta receptors leading to recruitment and activation of SMAD family transcription factors that regulate gene expression. The encoded preproprotein is proteolytically processed to generate each subunit of the disulfide-linked homodimer. This promotes neural repair after stroke. Additionally, this protein may act as a tumor suppressor and reduced expression of this gene is associated with oral cancer. [provided by RefSeq, Jul 2016]
Function	Growth factor involved in osteogenesis and adipogenesis. Plays an inhibitory role in the process of osteoblast differentiation via SMAD2/3 pathway. Plays an inhibitory role in the process of adipogenesis. [UniProt]

PTM	Cleavage on pair of basic residues; Disulfide bond; Glycoprotein[UniProt]
Cellular Localization	Secreted. [UniProt]

Images



ARG83881 Human GDF10 ELISA Kit standard curve image

ARG83881 Human GDF10 ELISA Kit results of a typical standard run with optical density reading at 450 nm.