

ARG82058
Human PDGF DD ELISA KitPackage: 96 wells
Store at: 4°C

Summary

Product Description	Human PDGF DD ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human PDGF DD in serum, plasma and cell culture supernatants.
Tested Reactivity	Hu
Tested Application	ELISA
Target Name	PDGF DD
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	7.8 pg/ml
Sample Type	Serum, plasma and cell culture supernatants.
Standard Range	15.6 - 1000 pg/ml
Sample Volume	100 µl
Alternate Names	SCDGFβ; Iris-expressed growth factor; PDGFD receptor-binding form; PDGFD latent form; MSTP036; Spinal cord-derived growth factor β; IEGF; PDGF-D; SCDGF-B; Platelet-derived growth factor D

Application Instructions

Assay Time	4.5 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	PDGFD
Gene Full Name	platelet derived growth factor D
Background	The protein encoded by this gene is a member of the platelet-derived growth factor family. The four members of this family are mitogenic factors for cells of mesenchymal origin and are characterized by a core motif of eight cysteines, seven of which are found in this factor. This gene product only forms homodimers and, therefore, does not dimerize with the other three family members. It differs from alpha and beta members of this family in having an unusual N-terminal domain, the CUB domain. Two splice variants have been identified for this gene. [provided by RefSeq, Jul 2008]
Function	Growth factor that plays an essential role in the regulation of embryonic development, cell proliferation, cell migration, survival and chemotaxis. Potent mitogen for cells of mesenchymal origin.

Plays an important role in wound healing. Induces macrophage recruitment, increased interstitial pressure, and blood vessel maturation during angiogenesis. Can initiate events that lead to a mesangial proliferative glomerulonephritis, including influx of monocytes and macrophages and production of extracellular matrix (By similarity). [UniProt]

Highlight

Related products:
[PDGF antibodies](#); [PDGF ELISA Kits](#);
New ELISA data calculation tool:
[Simplify the ELISA analysis by GainData](#)

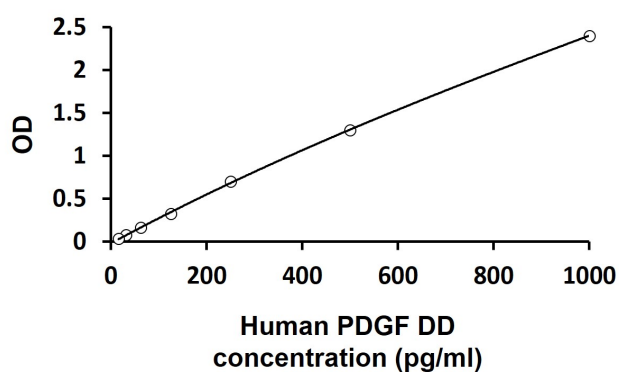
PTM

Activated by proteolytic cleavage. Proteolytic removal of the N-terminal CUB domain releasing the core domain is necessary for unmasking the receptor-binding epitopes of the core domain. Cleavage after Arg-247 or Arg-249 by urokinase plasminogen activator gives rise to the active form. [UniProt]

Cellular Localization

Secreted. Note=Released by platelets upon wounding. [UniProt]

Images



ARG82058 Human PDGF DD ELISA Kit standard curve image

ARG82058 Human PDGF DD ELISA Kit results of a typical standard run with optical density reading at 450 nm.