

ARG83022 Rat PDGF BB ELISA Kit

Package: 96 wells
Store at: 4°C

Summary

Product Description	ARG83022 Rat PDGF BB ELISA Kit is an Enzyme Immunoassay kit for the quantification of Rat PDGF BB in serum, plasma (heparin), ascites, urine and cell culture supernatants.
Tested Reactivity	Ms
Tested Application	ELISA
Specificity	Cross-reacts with: Human PDGF BB. Mouse PDGF BB Not cross-reacts with: Human PDGF AA. Mouse PDGF CC, VEGF164. Rat PDGF AA, VEGF164.
Target Name	PDGF BB
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	31.25 pg/ml
Sample Type	Serum, plasma (heparin), ascites, urine and cell culture supernatants.
Standard Range	62.5 - 4000 pg/ml
Sample Volume	100 µl
Precision	Intra-Assay CV: less than 10% Inter-Assay CV: less than 10%
Alternate Names	PDGFB, Platelet Derived Growth Factor Subunit B, Becaplermin, SSV, SIS, Platelet Derived Growth Factor Beta Polypeptide (Simian Sarcoma Viral (V Sis) Oncogene Homolog) , Platelet Derived Growth Factor Beta Polypeptide, Platelet Derived Growth Factor Subunit B, Platelet Derived Growth Factor B Chain, Proto Oncogene C Sis, PDGF Subunit B, PDGF 2 PDGF2, Platelet Derived Growth Factor, Beta Polypeptide (Oncogene SIS), Epididymis Secretory Sperm Binding Protein, Platelet Derived Growth Factor 2, PDGF, B Chain, Oncogene SIS, IBGC5, C Sis

Application Instructions

Assay Time	~ 4 hours
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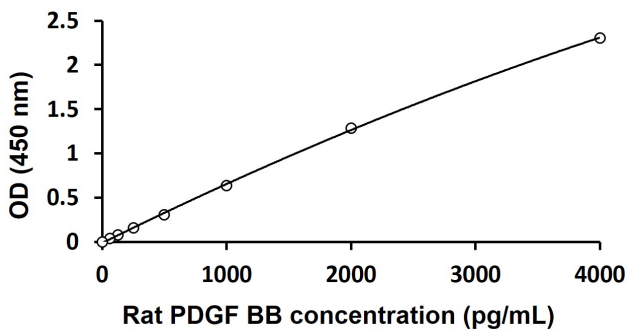
Properties

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	PDGFB
Gene Full Name	Platelet Derived Growth Factor Subunit B
Background	This gene encodes a member of the protein family comprised of both platelet-derived growth factors (PDGF) and vascular endothelial growth factors (VEGF). The encoded preproprotein is proteolytically processed to generate platelet-derived growth factor subunit B, which can homodimerize, or alternatively, heterodimerize with the related platelet-derived growth factor subunit A. These proteins bind and activate PDGF receptor tyrosine kinases, which play a role in a wide range of developmental processes. Mutations in this gene are associated with meningioma. Reciprocal translocations between chromosomes 22 and 17, at sites where this gene and that for collagen type 1, alpha 1 are located, are associated with dermatofibrosarcoma protuberans, a rare skin tumor. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Oct 2015]
Function	Required for normal proliferation and recruitment of pericytes and vascular smooth muscle cells in the central nervous system, skin, lung, heart and placenta. Required for normal blood vessel development, and for normal development of kidney glomeruli. Plays an important role in wound healing. Signaling is modulated by the formation of heterodimers with PDGFA. [UniProt]
Highlight	Related products: PDGF BB antibodies ; PDGF BB ELISA Kits ; Related news: The role of HDGF in tumor angiogenesis New ELISA data calculation tool: Simplify the ELISA analysis by GainData
PTM	Cleavage on pair of basic residues, Disulfide bond, Glycoprotein. [UniProt]
Cellular Localization	Secreted. [UniProt]

Images



ARG83022 Rat PDGF BB ELISA Kit standard curve image

ARG83022 Rat PDGF BB ELISA Kit results of standard run with optical density reading at 450 nm