

ARG82372 Rat PDGF BB ELISA Kit

Package: 96 wells
Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG82372-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG82372-002	Standard	2 X 10 ng/vial	4°C
ARG82372-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG82372-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG82372-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG82372-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG82372-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG82372-008	25X Wash buffer	20 ml	4°C
ARG82372-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG82372-010	STOP solution	10 ml (Ready to use)	4°C
ARG82372-011	Plate sealer	4 strips	Room temperature

Summary

Product Description	ARG82372 Rat PDGF BB ELISA Kit is an Enzyme Immunoassay kit for the quantification of Rat PDGF BB in serum, plasma (EDTA, heparin) and cell culture supernatants.
Tested Reactivity	Rat
Tested Application	ELISA
Target Name	PDGF BB
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	31.25 pg/ml
Sample Type	Serum, plasma (EDTA, heparin) and cell culture supernatants.
Standard Range	62.5 - 4000 pg/ml
Sample Volume	100 µl
Precision	Intra-Assay CV: 4.9% Inter-Assay CV: 7.2%

Alternate Names	SIS; Becaplermin; Platelet-derived growth factor subunit B; IBGC5; PDGF subunit B; c-sis; SSV; PDGF-2; Proto-oncogene c-Sis; Platelet-derived growth factor beta polypeptide; PDGF2; Platelet-derived growth factor B chain
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Application Instructions

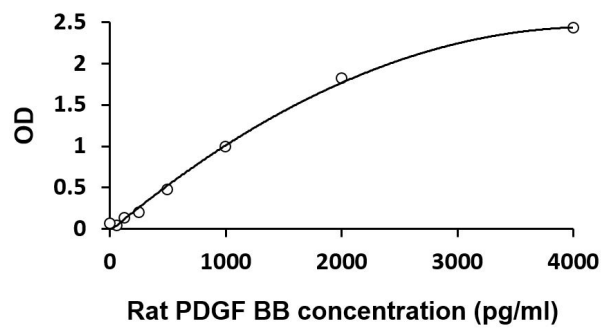
Assay Time	~ 5 hours
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Properties

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	PDGFB
Gene Full Name	platelet-derived growth factor beta polypeptide
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 motif of eight cysteines. This gene product can exist either as a homodimer (PDGF-BB) or as a heterodimer with the platelet-derived growth factor alpha polypeptide (PDGF-AB), where the dimers are connected by disulfide bonds. 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 a particular type of skin tumor called dermatofibrosarcoma protuberans resulting from unregulated expression of growth factor. Two alternatively spliced transcript variants encoding different isoforms have been identified for this gene. [provided by RefSeq, Feb 2013]
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. 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 (By similarity). [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
Cellular Localization	Secreted. Note=Released by platelets upon wounding. [UniProt]



ARG82372 Rat PDGF BB ELISA Kit standard curve image

ARG82372 Rat PDGF BB ELISA Kit results of a typical standard run with optical density reading at 450 nm.