

ARG82327 Rat PDGF AB ELISA Kit

Package: 96 wells
Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG82327-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG82327-002	Standard	2 X 10 ng/vial	4°C
ARG82327-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG82327-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG82327-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG82327-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG82327-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG82327-008	25X Wash buffer	20 ml	4°C
ARG82327-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG82327-010	STOP solution	10 ml (Ready to use)	4°C
ARG82327-011	Plate sealer	4 strips	Room temperature

Summary

Product Description	ARG82327 Rat PDGF AB ELISA Kit is an Enzyme Immunoassay kit for the quantification of Rat PDGF AB in serum, plasma (EDTA, heparin) and cell culture supernatants.
Tested Reactivity	Rat
Tested Application	ELISA
Target Name	PDGF AB
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	15.6 pg/ml
Sample Type	Serum, plasma (EDTA, heparin) and cell culture supernatants.
Standard Range	31.2 - 2000 pg/ml
Sample Volume	100 µl
Precision	Intra-Assay CV: 6.8% Inter-Assay CV: 6.7%

Alternate Names Platelet-derived growth factor subunit A; PDGF subunit A; Platelet-derived growth factor alpha polypeptide; Platelet-derived growth factor A chain; PDGF-1; PDGF1; PDGF-A

Application Instructions

Assay Time ~ 5 hours

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 PDGFA

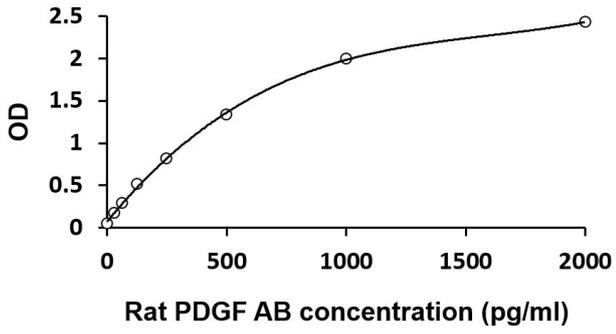
Gene Full Name platelet-derived growth factor alpha polypeptide

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 or as a heterodimer with the platelet-derived growth factor beta polypeptide, where the dimers are connected by disulfide bonds. Studies using knockout mice have shown cellular defects in oligodendrocytes, alveolar smooth muscle cells, and Leydig cells in the testis; knockout mice die either as embryos or shortly after birth. 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. Required for normal lung alveolar septum formation during embryogenesis, normal development of the gastrointestinal tract, normal development of Leydig cells and spermatogenesis. Required for normal oligodendrocyte development and normal myelination in the spinal cord and cerebellum. Plays an important role in wound healing. Signaling is modulated by the formation of heterodimers with PDGFB (By similarity). [UniProt]

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

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



ARG82327 Rat PDGF AB ELISA Kit standard curve image

ARG82327 Rat PDGF AB ELISA Kit results of a typical standard run with optical density reading at 450 nm.