

ARG82639 Human PDGF AA ELISA Kit

Package: 96 wells
Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG82639-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG82639-002	Standard	2 X 10 ng/vial	4°C
ARG82639-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG82639-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG82639-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG82639-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG82639-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG82639-008	25X Wash buffer	20 ml	4°C
ARG82639-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG82639-010	STOP solution	10 ml (Ready to use)	4°C
ARG82639-011	Plate sealer	4 strips	Room temperature

Summary

Product Description	ARG82639 Human PDGF AA ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human PDGF AA in serum, plasma (EDTA, heparin) and cell culture supernatants.
Tested Reactivity	Hu
Tested Application	ELISA
Specificity	There is no detectable cross-reactivity with other relevant proteins.
Target Name	PDGF AA
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	78 pg/ml
Sample Type	Serum, plasma (EDTA, heparin) and cell culture supernatants.
Standard Range	156 - 10000 pg/ml
Sample Volume	100 µl

Precision	Intra-Assay CV: 6.0% Inter-Assay CV: 5.5%
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

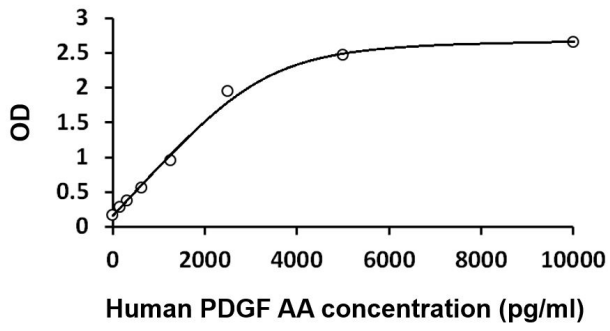
Assay Time	~ 5 hours
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Properties

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	PDGFA
Gene Full Name	platelet-derived growth factor alpha polypeptide
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 A, which can homodimerize, or alternatively, heterodimerize with the related platelet-derived growth factor subunit B. These proteins bind and activate PDGF receptor tyrosine kinases, which play a role in a wide range of developmental processes. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Oct 2015]
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. [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]



ARG82639 Human PDGF AA ELISA Kit standard curve image

ARG82639 Human PDGF AA ELISA Kit results of a typical standard run with optical density reading at 450 nm.