

ARG80166 Human PDGF BB ELISA Kit

Package: 96 wells
Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG80166-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG80166-002	Standard (Lyophilized)	3 X 4 ng/vial	4°C
ARG80166-003	Standard diluent buffer	20 ml	4°C
ARG80166-004	Antibody conjugate concentrate	400 µl	4°C
ARG80166-005	Antibody diluent buffer	16 ml	4°C
ARG80166-006	HRP-Streptavidin concentrate	400 µl	4°C (Protect from light)
ARG80166-007	HRP-Streptavidin diluent buffer	16 ml	4°C
ARG80166-008	20X Wash buffer	50 ml	4°C
ARG80166-009	TMB substrate	12ml	4°C (Protect from light)
ARG80166-010	STOP solution	12ml	4°C
ARG80166-011	Plate sealer	4 strips	Room temperature

Summary

Product Description	ARG80166 Human PDGF BB ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human PDGF BB in serum, plasma and cell culture supernatants.
Tested Reactivity	Hu
Tested Application	ELISA
Specificity	No significant cross-reactivity or interference with Human PDGF R alpha
Target Name	PDGF BB
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm
Sensitivity	15.6 pg/ml
Sample Type	Serum, plasma and cell culture supernatants.
Standard Range	31.25 - 2000 pg/ml
Sample Volume	100 µl

Precision	CV:
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

Application Instructions

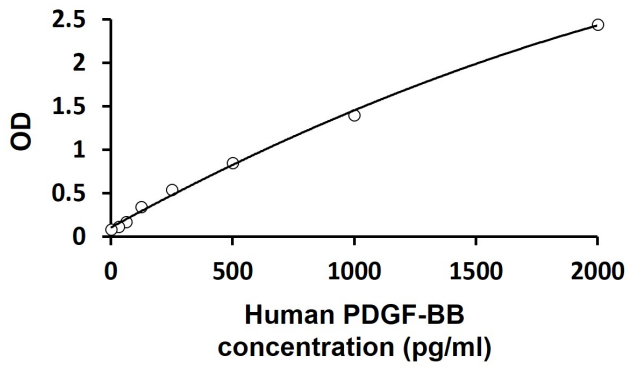
Assay Time	4 hours
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Properties

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

Database links	GeneID: 5155 Human Swiss-port # P01127 Human
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 7, at sites where this gene and that for COL1A1 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]
Highlight	<p>Related products: PDGF BB antibodies; PDGF BB ELISA Kits;</p> <p>Related news: Vascular development is regulated by FGF-dependent metabolic control The role of HDGF in tumor angiogenesis</p> <p>New ELISA data calculation tool: Simplify the ELISA analysis by GainData</p>
Research Area	Cancer kit; Cell Biology and Cellular Response kit; Developmental Biology kit; Metabolism kit; Signaling Transduction kit



ARG80166 Human PDGF BB ELISA Kit standard curve image

ARG80166 Human PDGF BB ELISA Kit results of a typical standard run with optical density reading at 450 nm.