

ARG80142 Human PLGF ELISA Kit

Package: 96 wells
Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG80142-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG80142-002	Standard (Lyophilized)	2 X 3 ng/vial	4°C
ARG80142-003	Standard diluent buffer	20 ml	4°C
ARG80142-004	Antibody conjugate concentrate	400 µl	4°C
ARG80142-005	Antibody diluent buffer	16 ml	4°C
ARG80142-006	HRP-Streptavidin concentrate	400 µl	4°C (Protect from light)
ARG80142-007	HRP-Streptavidin diluent buffer	16 ml	4°C
ARG80142-008	20X Wash buffer	50 ml	4°C
ARG80142-009	TMB substrate	12ml	4°C (Protect from light)
ARG80142-010	STOP solution	12ml	4°C
ARG80142-011	Plate sealer	4 strips	Room temperature

Summary

Product Description	ARG80142 Human PLGF ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human PLGF in serum, plasma and cell culture supernatants.
Tested Reactivity	Hu
Tested Application	ELISA
Specificity	No significant cross-reactivity or interference with Human EGF, PDGF-AA, PDGF-BB, VEGF121, VEGF165 and mouse VEGF165.
Target Name	PLGF
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm
Sensitivity	15 pg/ml
Sample Type	Serum, plasma and cell culture supernatants.
Standard Range	31.25 - 2000 pg/ml

Sample Volume	100 µl
Precision	CV: less than 10%
Alternate Names	PGFL; PIGF; PIGF-2; SHGC-10760; Placenta growth factor; D12S1900; PLGF

Application Instructions

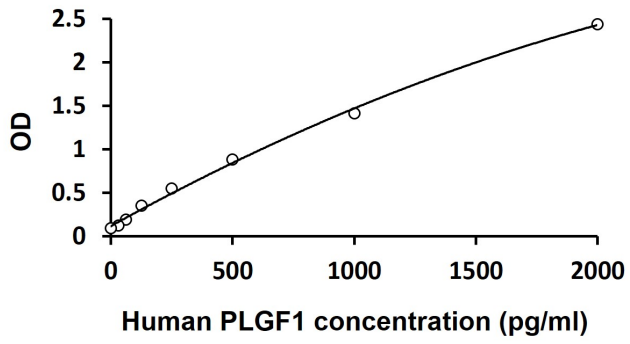
Assay Time	4 hours
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Properties

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	PGF
Gene Full Name	placental growth factor
Background	This gene encodes a growth factor found in placenta which is homologous to vascular endothelial growth factor. Alternatively spliced transcripts encoding different isoforms have been found for this gene. [provided by RefSeq, Jun 2011]
Function	Growth factor active in angiogenesis and endothelial cell growth, stimulating their proliferation and migration. It binds to the receptor FLT1/VEGFR-1. Isoform PIGF-2 binds NRP1/neuropilin-1 and NRP2/neuropilin-2 in a heparin-dependent manner. Also promotes cell tumor growth. [UniProt]
Highlight	<p>Related products: PLGF antibodies; PLGF ELISA Kits;</p> <p>Related news: The role of HDGF in tumor angiogenesis</p> <p>New ELISA data calculation tool: Simplify the ELISA analysis by GainData</p>
Research Area	Cell Biology and Cellular Response kit
PTM	N-glycosylated. [UniProt]
Cellular Localization	Secreted. Note=The three isoforms are secreted but PIGF-2 appears to remain cell attached unless released by heparin. [UniProt]



ARG80142 Human PLGF1 ELISA Kit standard curve image

ARG80142 Human PLGF1 ELISA Kit results of a typical standard run with optical density reading at 450 nm.