

## ARG81769 Mouse PLGF2 ELISA Kit

Package: 96 wells  
Store at: 4°C

### Component

Cat. No.	Component Name	Package	Temp
ARG81769-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG81769-002	Standard	2 X 10 ng/vial	4°C
ARG81769-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG81769-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG81769-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG81769-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG81769-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG81769-008	25X Wash buffer	20 ml	4°C
ARG81769-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG81769-010	STOP solution	10 ml (Ready to use)	4°C
ARG81769-011	Plate sealer	4 strips	Room temperature

### Summary

Product Description	ARG81769 Mouse PLGF2 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Mouse PLGF2 in serum, plasma (heparin, EDTA) and cell culture supernatants.
Tested Reactivity	Ms
Tested Application	ELISA
Specificity	There is no detectable cross-reactivity with other relevant proteins.
Target Name	PLGF2
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	7.8 pg/ml
Sample Type	Serum, plasma (heparin, EDTA) and cell culture supernatants.
Standard Range	15.6 - 1000 pg/ml
Sample Volume	100 µl

Precision	Intra-Assay CV: 5.8%; Inter-Assay CV: 6.2%
Alternate Names	PGFL; PIGF; PIGF-2; SHGC-10760; Placenta growth factor; D12S1900; PLGF

## Application Instructions

Assay Time	~ 5 hours
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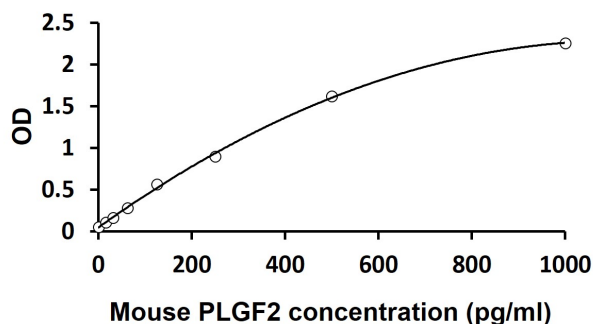
## Properties

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	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	Related products: <a href="#">PLGF2 antibodies</a> ; <a href="#">PLGF2 ELISA Kits</a> ; Related news: <a href="#">The role of HDGF in tumor angiogenesis</a> New ELISA data calculation tool: <a href="#">Simplify the ELISA analysis by GainData</a>
PTM	N-glycosylated. [UniProt]

## Images



ARG81769 Mouse PLGF2 ELISA Kit standard curve image

ARG81769 Mouse PLGF2 ELISA Kit results of a typical standard run with optical density reading at 450 nm.