

Human PLGF ELISA Kit | PLGF elisa kit

PLGF ELISA

CATALOG #
AAA72626

REACTIVITY
Human

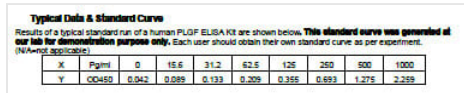
PRODUCT SYNONYMS

PLGF; PLGF ELISA; PLGF elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Sequence Length	169
Samples	Rat Serum, Plasma, Body Fluids, Tissue Lysates Or Cell Culture Supernates
Assay Type	Sandwich
Detection Range	31.2pg/ml-2000pg/ml
Sensitivity	<3pg/ml
Preparation and Storage	2 - 8 degree C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PLGF elisa kit

Intended Uses: For detection of PDGF-AB in rat serum, plasma, body fluids, tissue lysates or cell culture supernatants. For research use only.

Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-PDGF-AB polyclonal antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-PDGF-AB polyclonal antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. Avidin-Biotin-Peroxidase Complex was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the PDGF-AB amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of PDGF-AB can be calculated!!
Background/Introduction: Platelet-derived growth factor (PDGF) was one of the first growth factors characterized. and also a potent mitogen for cells of mesenchymal origin, including smooth muscle cells and glial cells. It regulates cell growth and division. In particular, it plays a significant role in blood vessel formation (angiogenesis). It is produced by a plethora of cells, and synthesized, stored, released by platelets upon activation. In chemical terms, PDGF is dimeric glycoprotein composed of two A (-AA) or two B (-BB) chains or a combination of the two (-AB). It is found that initial PDGF-AB interaction with the alpha PDGFR induces conformational changes in the ligand or receptor that facilitates efficient recruitment of beta PDGFR by this PDGF isoform.

Product Categories/Family for PLGF elisa kit

[Cardiovascular](#); [Cytokines & Cell Signalling](#); [Research Assays](#); [Assay Categories](#)

NCBI AND UNIPROT INFORMATION

NCBI GI #	652698534
NCBI GeneID	5228
NCBI Accession #	NP_001280572.1
NCBI GenBank Nucleotide #	NM_001293643.1
Molecular Weight	19,338 Da
NCBI Official Full Name	placenta growth factor isoform 3
NCBI Official Synonym Full Names	placental growth factor
NCBI Official Symbol	PGF
NCBI Official Synonym Symbols	PGFL; PLGF; PIGF-2; D12S1900; SHGC-10760
NCBI Protein Information	placenta growth factor; placental growth factor, vascular endothelial growth factor-related protein
UniProt Protein Name	Placenta growth factor
UniProt Gene Name	PGF
UniProt Synonym Gene Names	PGFL; PLGF; PIGF
UniProt Entry Name	PLGF_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/plgf/72626>