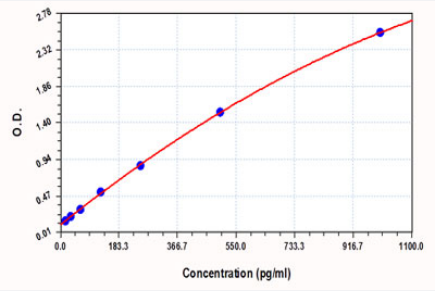
PGF (Human) ELISA Kit

Catalog # KA0410 Size 1 Kit

Applications



The standard curve is for the purpose of illustration only and should not be used to calculate unknowns. A standard curve should be generated each time the assay is performed.

Specification

Product Description	PGF (Human) ELISA Kit is a sandwich enzyme immunoassay for the quantitative measurement of human PGF.
Suitable Sample	Body Fluid, Cell Culture Supernatant, Plasma, Serum, Tissue Lysate
Sample Volume	100 uL
Label	HRP-conjugated
Detection Method	Colorimetric
Assay Type	Quantitative
Calibration Range	15.6 to 1000 pg/mL
Reactivity	Human
Regulation Status	For research use only (RUO)
Quality Control Testing	Standard curve The standard curve is for the purpose of illustration only and should not be used to calculate unknowns. A standard curve should be generated each time the assay is performed.
Storage Instruction	Store at 4°C for 6 months, at -20°C for 12 months. Avoid multiple freeze-thaw cycles.

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Applications

- Quantification

Gene Info — PGF

Entrez GeneID	5228
Gene Name	PGF
Gene Alias	D12S1900, PGFL, PLGF, PlGF-2, SHGC-10760
Gene Description	placental growth factor
Omim ID	601121
Gene Ontology	Hyperlink
Gene Summary	vascular endothelial growth factor-related protein|placental growth factor-like
Other Designations	placenta growth factor|placental growth factor, vascular endothelial growth factor-related protein|placental growth factor-like

Publication Reference

- Role of PlGF in the intra- and intermolecular cross talk between the VEGF receptors Flt1 and Flk1.

  Autiero M, Waltenberger J, Communi D, Kranz A, Moons L, Lambrechts D, Kroll J, Plaisance S, De Mol M, Bono F, Kliche S, Fellbrich G, Ballmer-Hofer K, Maglione D, Mayr-Beyrle U, Dewerchin M, Dombrowski S, Stanimirovic D, Van Hummelen P, Dehio C, Hicklin DJ, Persico G, Herbert JM, Communi D, Shibuya M, Collen D, Conway EM, Carmeliet P.

  Nature Medicine 2003 Jul; 9(7):936.

  Application: ELISA, Mouse, Capillary endothelial cells

- Revascularization of ischemic tissues by PlGF treatment, and inhibition of tumor angiogenesis, arthritis and atherosclerosis by anti-Flt1.

  Luttun A, Tjwa M, Moons L, Wu Y, Angelillo-Scherrer A, Liao F, Nagy JA, Hooper A, Priller J, De Klerck B, Compernolle V, Daci E, Bohlen P, Dewerchin M, Herbert JM, Fava R, Matthys P, Carmeliet G, Collen D, Dvorak HF, Hicklin DJ, Carmeliet P.

  Nature Medicine 2002 Aug; 8(8):831.

- Isolation of a human placenta cDNA coding for a protein related to the vascular permeability factor.

  Maglione D, Guerriero V, Viglietto G, Delli-Bovi P, Persico MG.

  PNAS 1991 Oct; 88(20):9267.

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Pathway

- Bladder cancer
- Cytokine-cytokine receptor interaction
- Focal adhesion
- mTOR signaling pathway
- Pancreatic cancer
- Pathways in cancer
- Renal cell carcinoma

Disease

- Amyotrophic lateral sclerosis
- Anoxia
- Chorioamnionitis
- Fetal Membranes
- Genetic Predisposition to Disease
- Obstetric Labor
- Pre-Eclampsia
- Premature Birth

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