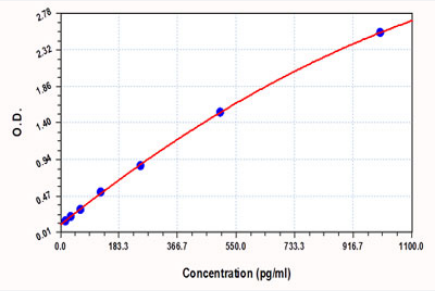
# PGF (Human) ELISA Kit

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<br>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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