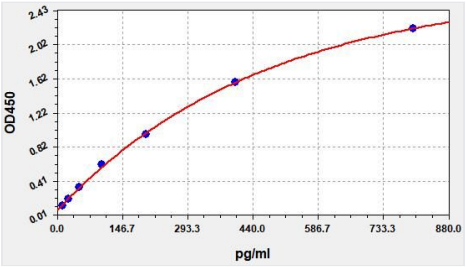
Pgf (Placenta Growth Factor) (PGF) ELISA Kit for Mouse

PRODUCT OVERVIEW

Product Name	Pgf (Placenta growth factor), ELISA Kit
Full Product Name	Mouse Pgf (Placenta growth factor) QuickTest ELISA Kit
Product Gene Name	Pgf elisa kit
Product Synonym Names	Pgf; PlGF; Pgf; PGF; PGFL; PGFL; placenta growth factor; placental growth factor; placental growth factor; vascular endothelial growth factor-related protein; PlGF; PlGF-2; PLGFplacental growth factor-like
Species Reactivity	Mouse
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, plasma, cell culture supernatant, cell lysate or tissue lysate, other biological fluid samples
Detection Range	12.5-800pg/ml
Sensitivity	7.5pg/ml
Preparation and Storage	Store at 2-8 degree C for 12 months
Molecular Weight	17,876 Da
3D Structure	ModBase 3D Structure for P49764
Time	120 minutes
ISO Certification	Manufactured in an ISO 13485:2003 and EN ISO 13485:2012 Certified Laboratory.
Related Product Information for Pgf elisa kit	MBS7619736 is a ready-to-use microwell, strip plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the Pgf (Placenta growth factor) ELISA Kit target analytes in biological samples. The concentration gradients of the kit standards or positive controls render a theoretical kit detection range in biological research samples containing Pgf. The ELISA analytical biochemical technique of the MBS7619736 kit is based on Pgf antibody-Pgf antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect Pgf antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, Pgf. Appropriate sample types may include undiluted body fluids and/or tissue homogenates, secretions. Quality control assays assessing reproducibility identified the intra-assay CV (%) and inter-assay CV(%).
Other Notes	Small volumes of Pgf elisa kit vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Typical Testing Data/Standard Curve (for reference only) of Pgf elisa kit

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for Pgf. It may not necessarily be applicable to this product.

NCBI GI #	6679289

NCBI GeneID	18654
NCBI Accession #	NP_032853.1
UniProt Primary Accession #	P49764
UniProt Related Accession #	P49764
GenBank Nucleotide #	NM_008827.3
NCBI Official Full Name	placenta growth factor isoform 1
NCBI Official Synonym Full Names	placental growth factor
NCBI Official Symbol	Pgf
NCBI Official Synonym Symbols	PIGF; Plgf; AI854365
UniProt Protein Name	Placenta growth factor
Protein Family	Placenta growth factor
UniProt Gene Name	Pgf
UniProt Synonym Gene Names	Plgf; PlGF
UniProt Entry Name	PLGF_MOUSE
NCBI Protein Information	placenta growth factor
UniProt Comments for Pgf	PGF: Growth factor active in angiogenesis and endothelial cell growth, stimulating their proliferation and migration. It binds to the receptor FLT1/VEGFR-1. Isoform PlGF-2 binds NRP1/neuropilin-1 and NRP2/neuropilin-2 in a heparin-dependent manner. Also promotes cell tumor growth. Belongs to the PDGF/VEGF growth factor family. 3 isoforms of the human protein are produced by alternative splicing. Protein type: Secreted; Secreted, signal peptide Cellular Component: extracellular region; extracellular space Molecular Function: growth factor activity; protein heterodimerization activity; protein homodimerization activity; vascular endothelial growth factor receptor binding Biological Process: angiogenesis; induction of positive chemotaxis; positive regulation of angiogenesis; positive regulation of cell proliferation; positive regulation of endothelial cell proliferation; response to hypoxia; sprouting angiogenesis; ureteric bud branching; vascular endothelial growth factor receptor signaling pathway
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Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

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