

PLGF-2 elisa kit

Mouse PLGF-2 PicoKine ELISA Kit

CATALOG # AAA124812	REACTIVITY Mouse There is no detectable cross-reactivity with other relevant proteins.	APPLICATIONS ELISA
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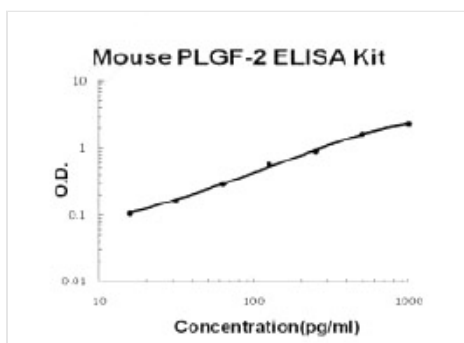
PRODUCT SYNONYMS

PLGF-2; Mouse PLGF-2 PicoKine ELISA Kit; Placenta growth factor; PIGF; Pgf; Plgf; PLGF-2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse There is no detectable cross-reactivity with other relevant proteins.
Specificity	Natural and recombinant Mouse PLGF-2
Sequence Length	158
Assay Type	Quantitative Sandwich
Detection Range	15.6pg/ml-1000pg/ml
Sensitivity	<2pg/ml
Applicable Applications for PLGF-2 elisa kit	ELISA
Intra-assay Precision	Intra-Assay Precision (Precision within an assay) Three samples of known concentration were tested on one plate to assess intra-assay precision
Inter-assay Precision	Inter-Assay Precision (Precision between assays) Three samples of known concentration were tested in separate assays to assess inter-assay precision.
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PLGF-2 elisa kit	Principle of the Assay: Mouse PLGF-2 ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from rat specific for PLGF-2 has been precoated onto 96- well plates. Standards(Expression system for standard: sf21, Immunogen sequence: A24-P158) and test samples are added to the wells, a biotinylated detection biotinylated polyclonal antibody from goat specific for PLGF-2 is added subsequently and then followed by washing with PBS or TBS buffer. Avidin-Biotin-Peroxidase Complex was added and unbound conjugates were washed away with PBS or TBS buffer. HRP substrate TMB was 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 Mouse PLGF-2 amount of sample captured in plate. Background: Placental growth factor is a protein that in humans is encoded by the PGF gene. Placental growth factor (PGF) is a member of the VEGF (vascular endothelial growth factor) sub-family - a key molecule in angiogenesis and vasculogenesis, in particular during embryogenesis. PGF is also expressed in many other tissues, including the villous trophoblast. PGF is ultimately associated with angiogenesis. Specifically, PGF plays a role in trophoblast growth and differentiation. Trophoblast cells, specifically extravillous trophoblast cells, are responsible for invading maternal arteries. Under normal physiologic conditions, PGF is also expressed at a low level in other organs including the heart, lung, thyroid, and skeletal skeletal muscle. As a result of alternative splicing, three PIGF RNAs encoding monomeric human PIGF-1, PIGF-2 and PIGF-3 isoform precursors containing 149, 179 and 219 amino acid residues, respectively, have been described.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	6679289
NCBI GeneID	18654
NCBI Accession #	NP_032853.1
NCBI GenBank Nucleotide #	NM_008827.3
UniProt Accession #	P49764
Molecular Weight	17,876 Da
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
NCBI Protein Information	placenta growth factor
UniProt Protein Name	Placenta growth factor
UniProt Gene Name	Pgf
UniProt Synonym Gene Names	Plgf; PIGF

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.