

Mouse Placenta Growth Factor (PLGF) ELISA Kit | PLGF elisa kit

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CATALOG #
AAA137803

REACTIVITY
Mouse

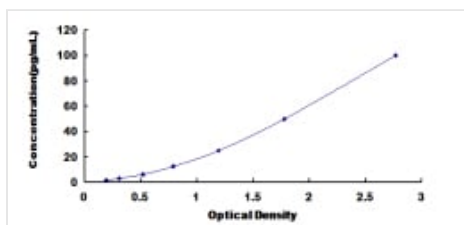
PRODUCT SYNONYMS

Placenta Growth Factor (PLGF); Mouse Placenta Growth Factor (PLGF) ELISA Kit; PIGF2; PGF; PGFL; Placental Growth Factor-Like; Vascular Endothelial Growth Factor-Related Protein; PLGF elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of Placenta Growth Factor (PLGF). No significant cross-reactivity or interference between Placenta Growth Factor (PLGF) and analogues was observed.
Sequence Length	158
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Tissue homogenates and other biological fluids
Detection Range	31.2-500pg/mL
Sensitivity	11.7pg/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Placenta Growth Factor (PLGF) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Placenta Growth Factor (PLGF) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PLGF elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Placenta Growth Factor (PLGF). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Placenta Growth Factor (PLGF). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain Placenta Growth Factor (PLGF), biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of Placenta Growth Factor (PLGF) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for PLGF elisa kit	Cytokine; Reproductive science

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
UniProt Entry Name	PLGF_MOUSE

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/mouse-elisa-kits/placenta-growth-factor-plgf/137803>