

Rat Placenta Growth Factor ELISA Kit | PLGF elisa kit

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CATALOG #
AAA16353

REACTIVITY
Rat

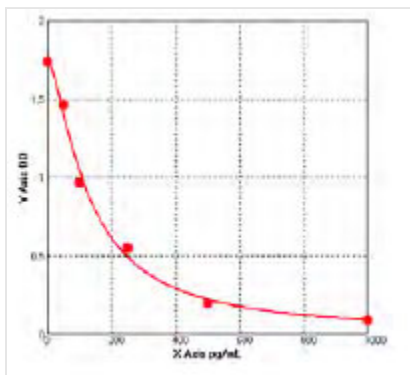
PRODUCT SYNONYMS

Placenta Growth Factor; Rat Placenta Growth Factor ELISA Kit; PLGF elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of PGF. No significant cross-reactivity or interference between PGF and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between PGF and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive or Sandwich
Sensitivity	1.0 pg/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PLGF elisa kit	Intended Uses: This PGF ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat PGF. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: PGF ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-PGF antibody and an PGF-HRP conjugate. The assay sample and buffer are incubated together with PGF-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the PGF concentration since PGF from samples and PGF-HRP conjugate compete for the anti-PGF antibody binding site. Since the number of sites is limited, as more sites are occupied by PGF from the sample, fewer sites are left to bind PGF-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The PGF concentration in each sample is interpolated from this standard curve.
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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
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.