

Bovine Placenta Growth Factor ELISA Kit | PLGF elisa kit

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CATALOG #
AAA86217

REACTIVITY
Bovine

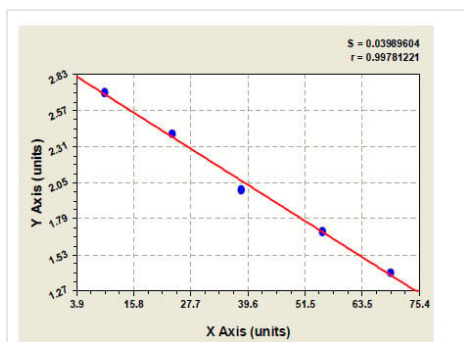
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Bovine
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Competitive
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 PLGF ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Bovine PLGF. This ELISA kit for research use only!

Principle of the Assay: PLGF ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-PLGF antibody and an PLGF-HRP conjugate. The assay sample and buffer are incubated together with PLGF-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 PLGF concentration since PLGF from samples and PLGF-HRP conjugate compete for the anti-PLGF antibody binding site. Since the number of sites is limited, as more sites are occupied by PLGF from the sample, fewer sites are left to bind PLGF-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The PLGF concentration in each sample is interpolated from this standard curve.

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/plgf-bovine-ovine-elisa-kits/placenta-growth-factor/86217>