

Goat Platelet Derived Growth Factor Subunit A ELISA Kit | PDGFA elisa kit

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CATALOG #
AAA90142

REACTIVITY
Goat

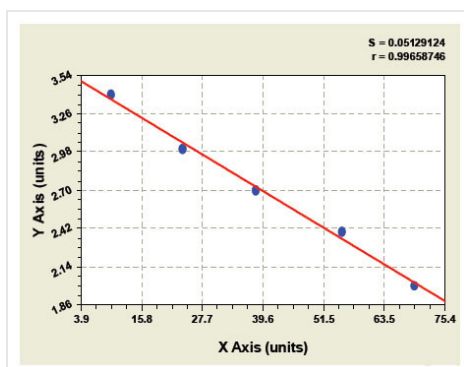
PRODUCT SYNONYMS

Platelet Derived Growth Factor Subunit A; Goat Platelet Derived Growth Factor Subunit A ELISA Kit; PDGFA elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Goat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	1.0 pg/mL.
Intended Uses	This PDGFA ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Goat PDGFA. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PDGFA elisa kit

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

Product Categories/Family for PDGFA elisa kit

Cardiovascular

NCBI AND UNIPROT INFORMATION

NCBI GI #	77695917
NCBI GeneID	5154
NCBI Accession #	NP_002598.4
NCBI GenBank Nucleotide #	NM_002607.5
UniProt Accession #	P04085; B5BU73; Q32M96; Q9BQF3; Q9UGN0
Molecular Weight	24,043 Da
NCBI Official Full Name	platelet-derived growth factor subunit A isoform 1 preproprotein
NCBI Official Synonym Full Names	platelet-derived growth factor alpha polypeptide
NCBI Official Symbol	PDGFA
NCBI Official Synonym Symbols	PDGF1; PDGF-A
NCBI Protein Information	platelet-derived growth factor subunit A; PDGF-1; PDGF A-chain; PDGF subunit A; platelet-derived growth factor A chain; platelet-derived growth factor alpha chain; platelet-derived growth factor alpha isoform 2 preproprotein
UniProt Protein Name	Platelet-derived growth factor subunit A
UniProt Gene Name	PDGFA
UniProt Synonym Gene Names	PDGF1; PDGF subunit A
UniProt Entry Name	PDGFA_HUMAN

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/pdgfa-goat-elisa-kits/platelet-derived-growth-factor-subunit-a/90142>