

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

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CATALOG #
AAA87400

REACTIVITY
Rat

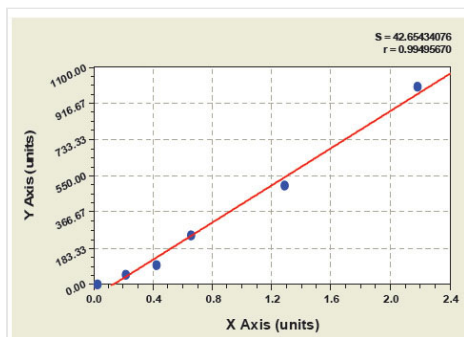
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive or Sandwich
Detection Range	50-1000 pg/mL
Sensitivity	1.0pg/ml
Intended Uses	This PDGFA ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat 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 quantitative sandwich enzyme immunoassay technique. The microtiter plate has been pre-coated with a monoclonal antibody specific for PDGFA. Standards or samples are then added to the microtiter plate wells and PDGFA if present, will bind to the antibody pre-coated wells. In order to quantitatively determine the amount of PDGFA present in the sample, a standardized preparation of horseradish peroxidase (HRP) -conjugated polyclonal antibody, specific for PDGFA are added to each well to "sandwich" the PDGFA immobilized on the plate. The microtiter plate undergoes incubation, and then the wells are thoroughly washed to remove all unbound components. Next, substrate solutions are added to each well. The enzyme (HRP) and substrate are allowed to react over a short incubation period. Only those wells that contain PDGFA and enzyme-conjugated antibody will exhibit a change in color. The enzyme-substrate reaction is terminated by addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm. 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.

NCBI AND UNIPROT INFORMATION

NCBI GI #	77695917
NCBI GeneID	5154
NCBI Accession #	NP_002598.4
NCBI GenBank Nucleotide #	NM_002607.5
Molecular Weight	22,253 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-rat-elisa-kits/platelet-derived-growth-factor-subunit-a/87400>