

Human Platelet-Derived Growth Factor Subunit A (PDGFA) ELISA Kit | PDGFA elisa kit

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CATALOG #
AAA331965

REACTIVITY
Human

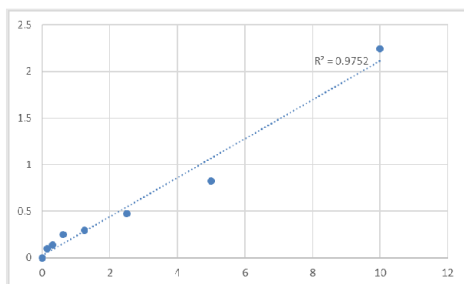
PRODUCT SYNONYMS

Platelet-Derived Growth Factor Subunit A (PDGFA); Human Platelet-Derived Growth Factor Subunit A (PDGFA) ELISA Kit; PDGFA; PDGF-A; PDGF1; PDGF A-chain; platelet-derived growth factor alpha; platelet-derived growth factor alpha chain; platelet-derived growth factor alpha isoform 2 preproprotein; PDGFA elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Platelet-derived growth factor subunit A (PDGFA) ELISA Kit has high sensitivity and excellent specificity for detection of Human PDGFA. No significant cross-reactivity or interference between Human PDGFA and analogues was observed.
Sequence Length	211
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Human Platelet-derived growth factor subunit A (PDGFA) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for PDGFA elisa kit	Description: This Human Platelet-derived growth factor subunit A (PDGFA) ELISA Kit employs a two-site sandwich ELISA to quantitate PDGFA in samples. An antibody specific for PDGFA has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any PDGFA present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PDGFA is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of PDGFA bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Platelet-derived growth factor subunit A is a member of the platelet-derived growth factor family. The four members of this family are mitogenic factors for cells of mesenchymal origin and are characterized by a motif of eight cysteines. This gene product can exist either as a homodimer or as a heterodimer with the platelet-derived growth factor beta polypeptide, where the dimers are connected by disulfide bonds. Studies using knockout mice have shown cellular defects in oligodendrocytes, alveolar smooth muscle cells, and Leydig cells in the testis; knockout mice die either as embryos or shortly after birth. Two splice variants have been identified for this gene.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	77695917
NCBI GeneID	5154
NCBI Accession #	NP_002598.4
NCBI GenBank Nucleotide #	NP_002598.4
UniProt Accession #	P04085
NCBI Official Full Name	platelet-derived growth factor subunit A isoform 1 preproprotein
NCBI Official Synonym Full Names	platelet derived growth factor subunit A
NCBI Official Symbol	PDGFA
NCBI Official Synonym Symbols	PDGF1; PDGF-A
NCBI Protein Information	platelet-derived growth factor subunit A
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.