

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

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CATALOG #
AAA139119

REACTIVITY
Human

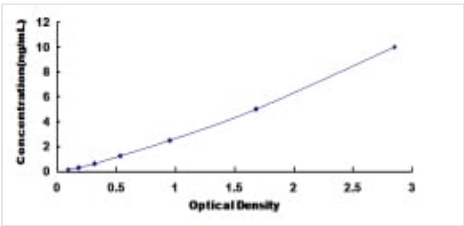
PRODUCT SYNONYMS

Platelet Derived Growth Factor Subunit A (PDGFA); Human Platelet Derived Growth Factor Subunit A (PDGFA) ELISA Kit; PDGF-A; PDGF1; Platelet Derived Growth Factor Alpha Polypeptide; PDGFA elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Platelet Derived Growth Factor Subunit A (PDGFA). No significant cross-reactivity or interference between Platelet Derived Growth Factor Subunit A (PDGFA) and analogues was observed.
Sequence Length	196
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Tissue homogenates, Cell lysates, Cell culture supernates and other biological fluids
Detection Range	15.6-1,000pg/mL
Sensitivity	6.1pg/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Platelet Derived Growth Factor Subunit A (PDGFA) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Platelet Derived Growth Factor Subunit A (PDGFA) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PDGFA elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Platelet Derived Growth Factor Subunit A (PDGFA). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Platelet Derived Growth Factor Subunit A (PDGFA). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain Platelet Derived Growth Factor Subunit A (PDGFA), biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of Platelet Derived Growth Factor Subunit A (PDGFA) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for PDGFA elisa kit	Cytokine; Tumor immunity; Infection immunity; Bone metabolism

NCBI AND UNIPROT INFORMATION

NCBI GI #	15208656
NCBI GeneID	5154
NCBI Accession #	NP_148983.1
NCBI GenBank Nucleotide #	NM_033023.4
UniProt Accession #	P04085; B5BU73
Molecular Weight	22,253 Da
NCBI Official Full Name	platelet-derived growth factor subunit A isoform 2 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
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.