

Human PDGF-AB ELISA Kit | PDGF-AB elisa kit

Human PDGF-AB PicoKine Fast ELISA Kit

CATALOG #
AAA125325

REACTIVITY
Human

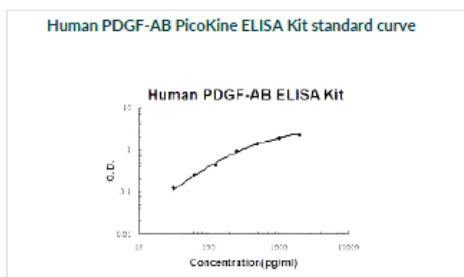
PRODUCT SYNONYMS

PDGF-AB; Human PDGF-AB PicoKine Fast ELISA Kit; Human PDGF-AB; Platelet-derived growth factor subunit B; PDGF subunit B; PDGF-2; Platelet-derived growth factor B chain; Platelet-derived growth factor beta polypeptide; Proto-oncogene c-Sis; Becaplermin; PDGFB; PDGF2; SIS; PDGF-AB elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant Human PDGFB
Sequence Length	241
Samples	Cell culture supernates, cell lysates, serum and plasma (heparin, EDTA)
Detection Range	31.2pg/ml-2000pg/ml
Sensitivity	<2pg/ml
Intra-assay Precision	Intra-Assay Precision (Precision within an assay): Three samples of known concentration were tested on one plate to assess intra-assay precision.
Inter-assay Precision	Inter-Assay Precision (Precision accross assays):Three samples of known concentration were tested in separate assays to assess inter-assay precision.
Preparation and Storage	Store at 4 degree C for 6 months. Store at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PDGF-AB elisa kit	Principle of the Assay: The Picokine™ Human PDGFB Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid phase immunoassay specially designed to measure Human PDGFB with a 96-well strip plate that is pre-coated with antibody specific for PDGFB. The detection antibody is a biotinylated antibody specific for PDGFB. The capture antibody is monoclonal antibody from mouse, the detection antibody is polyclonal antibody from goat. The kit contains recombinant Human PDGFB with immunogen: Expression system for standard: E.coli; Immunogen sequence: (S87-T211)+(S82-T190). The kit is analytically validated with ready to use reagents. To measure Human PDGFB, add standards and samples to the wells, then add the biotinylated detection antibody. Wash the wells with PBS or TBS buffer, and add Avidin-Biotin-Peroxidase Complex (ABC-HRP). Wash away the unbounded ABC-HRP with PBS or TBS buffer and add TMB. TMB is substrate to HRP and will be catalyzed to produce a blue color product, which changes into yellow after adding acidic stop solution. The density of the yellow product is linearly propotional to Human PDGFB in the sample. Read the density of the yellow product in each well using a plate reader, and benchmark the sample wells' readings against the standard curve to determine the concentration of Human PDGFB in the sample.!!Background/Introduction: The platelet-derived growth factor(PDGF) is a mitogen derived from human platelets consisting of two related polypeptides termed A and B chains. The genes for PDGF A chain, B chain/c-sis, and the PDGF receptor are expressed in human malignant glioma cell lines. Normal human endothelial cells in culture express the B chain of PDGF, and that endothelial-derived PDGF B chain is synthesized as a predicted precursor polypeptide of Mr 27,281. The entire B chain of PDGF is highly(96%) homologous to a portion of p28sis, the transforming protein of simian sarcoma virus(SSV). It has been suggested that p28sis exerts its transforming potential by mimicking the growth promoting activity of PDGF and stimulating the cell in an autocrine manner. PDGF A-chain precursor polypeptide is assigned to the proximal long arm of chromosome 7, band q11.23. The human homolog(PDGF B-chain/c-sis) of the transforming gene of simian sarcoma virus is assigned to chromosome 22. The standard product used in this kit is recombinant human PDGF-AB with the molecular mass of 27KDa.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4505681
NCBI GeneID	5155
NCBI Accession #	NP_002599.1
NCBI GenBank Nucleotide #	NP_002599.1
UniProt Accession #	P01127
NCBI Official Full Name	platelet-derived growth factor subunit B isoform 1 preproprotein
NCBI Official Synonym Full Names	platelet derived growth factor subunit B
NCBI Official Symbol	PDGFB
NCBI Official Synonym Symbols	SIS; SSV; IBGC5; PDGF2; c-sis; PDGF-2
NCBI Protein Information	platelet-derived growth factor subunit B
UniProt Protein Name	Platelet-derived growth factor subunit B
UniProt Gene Name	PDGFB
UniProt Synonym Gene Names	PDGF2; SIS; PDGF subunit B
UniProt Entry Name	PDGFB_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.