

Human PDGF-AB ELISA Kit | PDGFB,PDGFA elisa kit

Human PDGF-AB PicoKine ELISA Kit

CATALOG #
AAA45354

REACTIVITY
Human

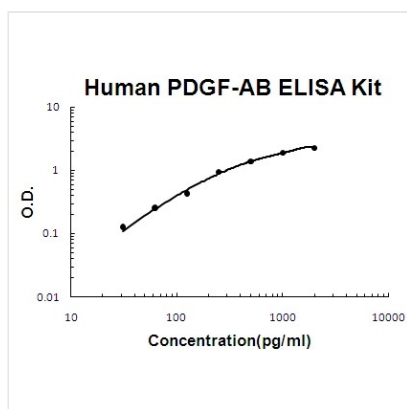
PRODUCT SYNONYMS

PDGF-AB; Human PDGF-AB PicoKine ELISA Kit; Platelet-derived growth factor subunit B; Platelet-derived growth factor subunit A; platelet-derived growth factor beta polypeptide; platelet-derived growth factor alpha polypeptide; PDGF A chain; PDGF B chain; PDGF1; PDGF2; PDGFA; PDGFB; Platelet derived growth factor AB heterodimer; PDGFA elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant human PDGF-AB
Sequence Length	241
Samples	Cell culture supernates, serum and plasma (heparin, EDTA)
Assay Type	Sandwich
Detection Range	31.2pg/ml-2000pg/ml
Sensitivity	< 2pg/ml
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles (Shipped with wet ice.)

IMAGES



Standard Curve (Sample)

Human PDGF-AB PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for PDGFB,PDGFA elisa kit	Principle of the assay: human PDGF-AB ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from mouse specific for PDGF-AB has been precoated onto 96-well plates. Standards(E.coli,(S87 - T211)+(S82 - T190)) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for PDGF-AB is added subsequently and then followed by washing with PBS or TBS buffer. Avidin-Biotin-Peroxidase Complex was added and unbound conjugates were washed away with PBS or TBS buffer. HRP substrate TMB was used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the human PDGF-AB amount of sample captured in plate. Background: The platelet-derived growth factor (PDGF) is a mitogen derived from human platelets consisting of two related polypeptides termed A and B chains.1 The genes for PDGF A chain, B chain/c-sis, and the PDGF receptor areexpressed in human malignant glioma cell lines.2 Normal human endothelial cells in culture express the B chain ofPDGF, and that endothelial-derived PDGF B chain is synthesized as a predicted precursor polypeptide of Mr 27,281.3 The entire B chain of PDGF is highly (96%) homologous to a portion of p28sis, the transforming protein ofsimian 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.1 PDGF A-chain precursorpolypeptide is assigned to the proximal long arm of chromosome 7, band q11.23.4 The human homolog (PDGFB-chain/c-sis) of the transforming gene of simian sarcoma virus is assigned to chromosome 22.5 The standardproduct used in this kit is recombinant human PDGF-AB with the molecular mass of 27KDa.
---	---

NCBI AND UNIPROT INFORMATION

NCBI GI #	129724
NCBI GeneID	5155
UniProt Accession #	P01127; P78431; Q15354; Q6FHE7; Q9UF23; G3XAG8
Molecular Weight	25,502 Da
NCBI Official Full Name	Platelet-derived growth factor subunit B
NCBI Official Synonym Full Names	platelet-derived growth factor beta polypeptide
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; becaplermin; PDGF, B chain; PDGF subunit B; proto-oncogene c-Sis; platelet-derived growth factor 2; platelet-derived growth factor B chain; platelet-derived growth factor, beta polypeptide (oncogene SIS); platelet-derived growth factor beta polypeptide (simian sarcoma viral (v-sis) oncogene homolog)
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.