

Human Platelet-derived growth factor subunit B ELISA Kit | PDGFB elisa kit

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CATALOG #
AAA97832

REACTIVITY
Human

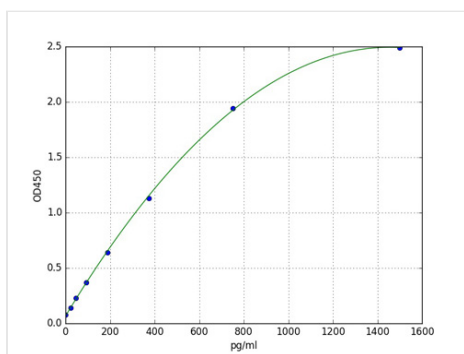
PRODUCT SYNONYMS

Platelet-derived growth factor subunit B; Human Platelet-derived growth factor subunit B ELISA Kit; PDGFB/B chain/Becaplermin/FLJ12858/PDGF subunit B/PDGF2/PDGF-2/platelet-derived growth factor 2/Platelet-derived growth factor beta polypeptide/platelet-derived growth factor subunit B/platelet-derived growth factor; B chain; PDGFB elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Sequence Length	241
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	15.625-1000pg/ml
Sensitivity	9.375pg/ml
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

Typical Data & Standard Curve

Results of a typical standard run of a Human PDGFB ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A=not applicable)

X	pg/ml	0	23.438	46.875	93.75	187.5	375	750	1500
Y	OD450	0.022	0.069	0.128	0.243	0.440	0.812	1.610	2.560

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PDGFB elisa kit

Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-Human PDGFB antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Human PDGFB antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were 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 PDGFB amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Human PDGFB can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4505681
NCBI GeneID	5155
NCBI Accession #	NP_002599.1
NCBI GenBank Nucleotide #	NM_002608.3
Molecular Weight	25,502 Da
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.

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Online datasheet: <https://stage.aaabiotech.com/pdgfb-human-elisa-kits/platelet-derived-growth-factor-subunit-b/97832>