

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

PDGF-AB Human ELISA Kit

CATALOG # AAA59008	REACTIVITY Human	APPLICATIONS ELISA
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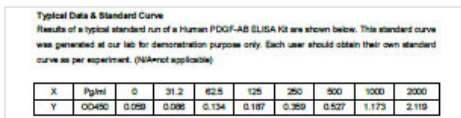
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Human
Assay Type	Sandwich
Detection Range	31.2 pg/ml-2000 pg/ml
Sensitivity	< 3pg/ml
Applicable Applications for PDGF-AB elisa kit	ELISA
Preparation and Storage	Store at 2-8 degree C for 4 months, or at -20 degree C for 8 months.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PDGF-AB elisa kit

Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-PDGF-AB polyclonal antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-PDGF-AB polyclonal 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. Avidin-Biotin-Peroxidase Complex 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 PDGF-AB amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of PDGF-AB can be calculated.

Background: Platelet-derived growth factor (PDGF) was one of the first growth factors characterized, and also a potent mitogen for cells of mesenchymal origin, including smooth muscle cells and glial cells. It regulates cell growth and division. In particular, it plays a significant role in blood vessel formation (angiogenesis). It is produced by a plethora of cells, and synthesized, stored, released by platelets upon activation. In chemical terms, PDGF is dimeric glycoprotein composed of two A (-AA) or two B (-BB) chains or a combination of the two (-AB). It is found that initial PDGF-AB interaction with the alpha PDGFR induces conformational changes in the ligand or receptor that facilitates efficient recruitment of beta PDGFR by this PDGF isoform.

NCBI AND UNIPROT INFORMATION

NCBI GI #	15451786
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NCBI GeneID	5155
NCBI Accession #	NP_148937.1
NCBI GenBank Nucleotide #	NM_033016.2
UniProt Accession #	P01127; P78431; Q15354; Q6FHE7; Q9UF23; G3XAG8
Molecular Weight	27,283 Da
NCBI Official Full Name	platelet-derived growth factor subunit B isoform 2 preproprotein
NCBI Official Synonym Full Names	platelet-derived growth factor beta polypeptide
NCBI Official Symbol	PDGFB
NCBI Official Synonym Symbols	SIS; SSV; 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.

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 Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/pdgf-ab/59008>