

Human Platelet Derived Growth Factor Subunit B ELISA Kit | PDGFB elisa kit

Human Platelet Derived Growth Factor Subunit B ELISA Kit

CATALOG #
AAA83575

REACTIVITY
Human

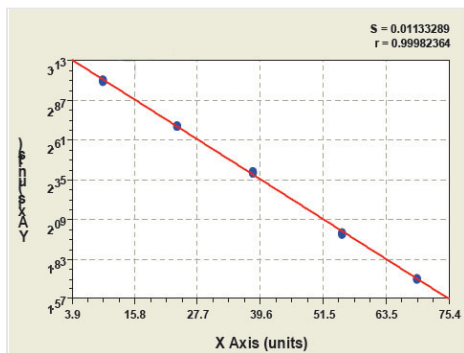
PRODUCT SYNONYMS

Platelet Derived Growth Factor Subunit B; Human Platelet Derived Growth Factor Subunit B ELISA Kit; PDGFB elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	50-1000pg/mL
Sensitivity	1.0pg/mL
Intended Uses	This PDGFB ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human PDGFB. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PDGFB elisa kit

Principle of the Assay: PDGFB ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-PDGFB antibody and an PDGFB-HRP conjugate. The assay sample and buffer are incubated together with PDGFB-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the PDGFB concentration since PDGFB from samples and PDGFB-HRP conjugate compete for the anti-PDGFB antibody binding site. Since the number of sites is limited, as more sites are occupied by PDGFB from the sample, fewer sites are left to bind PDGFB-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The PDGFB concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	47678607
NCBI GeneID	5155
UniProt Accession #	P01127; P78431; Q15354; Q6FHE7; Q9UF23; G3XAG8
Molecular Weight	25,502 Da
NCBI Official Full Name	PDGFB
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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/pdgfb-human-elisa-kits/platelet-derived-growth-factor-subunit-b/83575>