

Human Platelet-Derived Growth Factor-BB (PDGF-BB) ELISA Kit | PDGF-BB elisa kit

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CATALOG #
AAA331439

REACTIVITY
Human

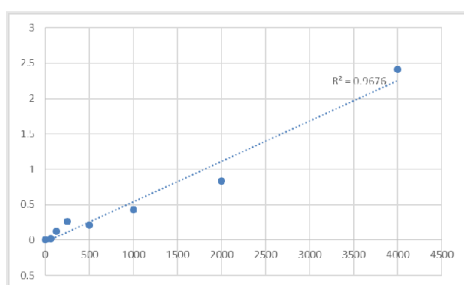
PRODUCT SYNONYMS

Platelet-Derived Growth Factor-BB (PDGF-BB); Human Platelet-Derived Growth Factor-BB (PDGF-BB) ELISA Kit; PDGF-BB elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Platelet-Derived Growth Factor-BB (PDGF-BB) ELISA Kit has high sensitivity and excellent specificity for detection of Human PDGF-BB. No significant cross-reactivity or interference between Human PDGF-BB and analogues was observed.
Sequence Length	161
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Human Platelet-Derived Growth Factor-BB (PDGF-BB) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for PDGF-BB elisa kit	Description: This Human Platelet-Derived Growth Factor-BB (PDGF-BB) ELISA Kit employs a two-site sandwich ELISA to quantitate PDGF-BB in samples. An antibody specific for PDGF-BB has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any PDGF-BB present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PDGF-BB is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of PDGF-BB bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: The Platelet-Derived Growth Factor (PDGF) family consists of proteins derived from four genes (PDGF-A, -B, -C and -D) that form four disulfide-linked homodimers (PDGF-AA, -BB, -CC, -DD)and one heterodimer (PDGF-AB). These proteins and the related VEGF family proteins share the conserved PDGF/VEGF homology domain characterized by a pattern of highly conserved cysteine residues, which form the cysteine knot motif. PDGF-B is synthesized as a pre-pro-protein, which has a signal peptide, a mature region, an N- terminal pro-peptide, and a C-terminal extension. The C-terminal extension contains a conserved cell retention motif that confers retention of the secreted PDGF-BB within the pericellular space. Most cells produce both PDGF-A and B chains. The individual chains are assembled stochastically into disulfide-linked inactive homodimeric or heterodimeric precursors in the endoplasmic reticulum.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	35377
NCBI Official Full Name	platelet-derived growth factor-BB

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://www.aaabiotech.com/human-elisa-kits/platelet-derived-growth-factor-bb-pdgf-bb/331439>