

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

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CATALOG #
AAA331441

REACTIVITY
Human

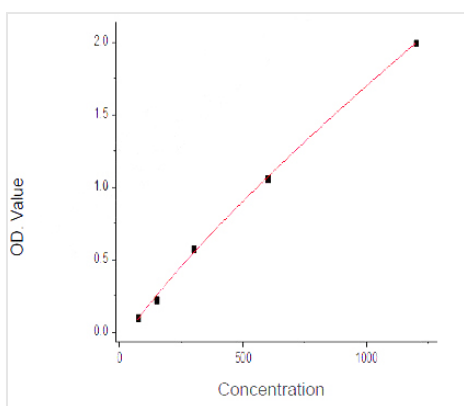
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Human
Assay Type	Sandwich
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PDGF-AB elisa kit

Principle of the Assay: Human Platelet-Derived Growth Factor AB (PDGF-AB) ELISA Kit employs a two-site sandwich ELISA to quantitate PDGF-AB in samples. An antibody specific for PDGF-AB has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any PDGF-AB present is bound by the immobilized antibody. After removing any unbound substances, HRP-Conjugated Human PDGF-AB detection antibody is added to the wells. Following a wash to remove any unbound HRP reagent, a Chromogen solution is added to the wells and color develops in proportion to the amount of PDGF-AB bound in the initial step. The color development is stopped and the intensity of the color is measured.

Background/Introduction: Two types of PDGFRs have been identified: alpha type and beta type PDGFRs. The alpha type binds to PDGF-AA, PDGF-BB and PDGF-AB while the beta type PDGFR binds with high affinity to PDGF-BB and PDGF-AB. Upon activation by PDGF, these receptors dimerise, and are "switched on" by auto-phosphorylation of several sites on their cytosolic domains, which serve to mediate binding of cofactors and subsequently activate signal transduction, for example, through the PI3K pathway.

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.