

Datasheet for ABIN6720177

**PDGF-AB Heterodimer ELISA Kit**[Go to Product page](#)**1** Image

## Overview

Quantity:	1 kit
Target:	PDGF-AB Heterodimer
Reactivity:	Human
Method Type:	Sandwich ELISA
Detection Range:	31.2 pg/mL - 2000 pg/mL
Minimum Detection Limit:	31.2 pg/mL
Application:	ELISA

## Product Details

Purpose:	Human PDGF-AB Sandwich ELISA Kit for Quantitative Detection
Brand:	AccuSignal™
Sample Type:	Cell Culture Supernatant, Plasma (EDTA - heparin), Serum
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Specificity:	Production: Natural and recombinant human PDGF-AB. There is no detectable cross-reactivity with other relevant proteins.
Sensitivity:	< 2 pg/mL
Components:	<ul style="list-style-type: none"><li>• Antibody-coated 96-well plate</li><li>• Target Protein Standard</li><li>• Detection antibody</li></ul>

## Product Details

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- Detection reagent
- Diluent buffers
- Wash buffers
- Substrate Solution
- Stop solutions
- Adhesive covers

## Target Details

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Target: PDGF-AB Heterodimer

Alternative Name: PDGF-AB

Background: Synonyms: PDGF A chain, PDGF B chain, PDGF1, PDGF2, PDGFA, PDGFB, Platelet derived growth factor AB heterodimer

Background: The platelet-derived growth factor(PDGF) is a mitogen derived from human platelets consisting of two related polypeptides termed A and B chains. The genes for PDGF A chain, B chain/c-sis, and the PDGF receptor are expressed in human malignant glioma cell lines. Normal human endothelial cells in culture express the B chain of PDGF, and that endothelial-derived PDGF B chain is synthesized as a predicted precursor polypeptide of Mr 27,281. The entire B chain of PDGF is highly(96 % ) homologous to a portion of p28sis, the transforming protein of simian sarcoma virus(SSV). It has been suggested that p28sis exerts its transforming potential by mimicking the growth promoting activity of PDGF and stimulating the cell in an autocrine manner. PDGF A-chain precursor polypeptide is assigned to the proximal long arm of chromosome 7, band q11.23. The human homolog(PDGF B-chain/c-sis) of the transforming gene of simian sarcoma virus is assigned to chromosome 22. The standard product used in this kit is recombinant human PDGF-AB with the molecular mass of 27KDa.

Gene ID: 5155

NCBI Accession: [NP\\_002599](#)

UniProt: [P01127](#)

## Application Details

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Application Notes: ELISA\_Dilution: 31.2pg/mL-2000pg/mL

Application\_Note: Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1 mL per well of the 2000pg/mL,1000pg/mL, 500pg/mL, 250pg/mL, 125pg/mL, 62.5pg/mL, 31.2pg/mL human PDGF-AB standard solutions into the precoated 96-well plate. Add 0.1 mL of the sample diluent buffer into the control well (Zero well). Add 0.1 mL of each properly diluted

## Application Details

sample of human cell culture supernates, serum or plasma(heparin, EDTA) to each empty well. It is recommended that each human PDGF-AB standard solution and each sample be measured in duplicate.

Comment: Standard: Expression system for standard: E.coli, Immunogen sequence: (S87-T211)+(S82-T190)

Sample Volume: 100 µL

Plate: Pre-coated

Restrictions: For Research Use only

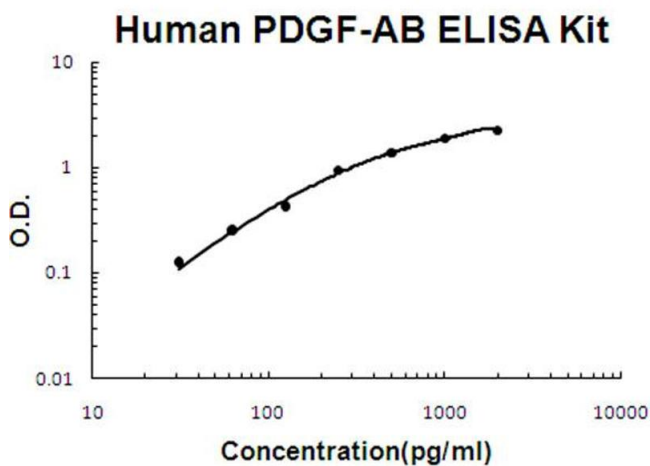
## Handling

Storage: 4 °C,-20 °C

Storage Comment: Store vials at 4°C prior to opening. Centrifuge product if not completely clear after standing at room temperature. This product is stable for 6 months at 4°C as an undiluted liquid. Dilute only prior to immediate use. For extended storage freeze at -20°C or below for 12 months. Avoid cycles of freezing and thawing.

Expiry Date: 12 months

## Images



### ELISA

**Image 1.** Human PDGF-AB Accusignal ELISA Kit Human PDGF-AB AccuSignal ELISA Kit standard curve. Assay Range: 31.2pg/ml-2000pg/ml. Sensitivity: <2pg/ml.