

Datasheet for ABIN6720205

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

Overview

Quantity:	1 kit
Target:	PDGF-AB Heterodimer
Reactivity:	Mouse
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:	Mouse 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 mouse PDGF-AB. There is no detectable cross-reactivity with other relevant proteins.
Sensitivity:	< 20 pg/mL
Components:	<ul style="list-style-type: none">• Antibody-coated 96-well plate• Target Protein Standard• Detection antibody

Product Details

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

Target Details

Target:	PDGF-AB Heterodimer
Alternative Name:	PDGF-AB
Background:	<p>Synonyms: PDGF A chain, PDGF B chain, PDGF1, PDGF2, PDGFA, PDGFB, Platelet derived growth factor AB heterodimer</p> <p>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.</p>
Gene ID:	18590
NCBI Accession:	NP_032834
UniProt:	P20033

Application Details

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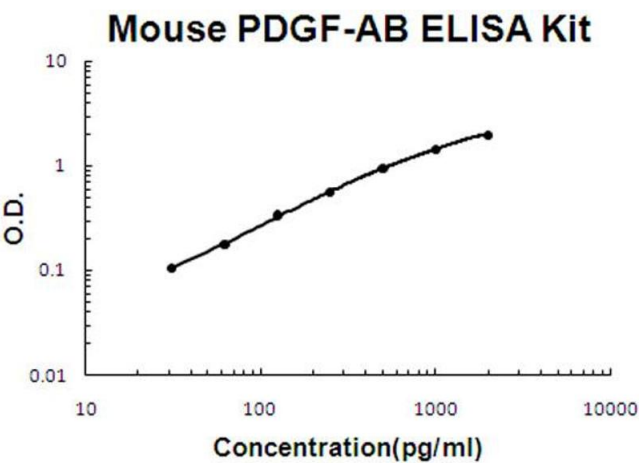
Application Details

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. Mouse PDGF-AB Accusignal ELISA Kit Mouse PDGF-AB AccuSignal ELISA Kit standard curve. Assay Range: 156pg/ml-10000pg/ml. Sensitivity: <20pg/ml.