

Datasheet for ABIN6720013
PEDF ELISA Kit[Go to Product page](#)

1 Image

Overview

Quantity:	1 kit
Target:	PEDF (SERPINF1)
Reactivity:	Human
Method Type:	Sandwich ELISA
Detection Range:	0.78 ng/mL - 50 ng/mL
Minimum Detection Limit:	0.78 ng/mL
Application:	ELISA

Product Details

Purpose:	Sandwich ELISA for Quantitative Detection of Antigen
Sample Type:	Cell Culture Supernatant, Plasma (EDTA - heparin), Serum
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Characteristics:	<p>Synonyms: Alpha 2 antiplasmin, Cell proliferation-inducing gene 35 protein, EPC1, OI12, OI6, PEDF, PEDF_HUMAN, PIG35, Pigment epithelium derived factor, Pigment epithelium-derived factor, Proliferation inducing protein 35, serine (or cysteine) proteinase inhibitor clade F (alpha-2 antiplasmin, pigment epithelium derived factor) member 1, SERPIN F1, Serpin peptidase inhibitor clade F member , Iserpin peptidase inhibitor clade F (alpha-2 antiplasmin pigment epithelium derived factor) member 1, SERPINF1</p> <p>Background: Pigment epithelium-derived factor (PEDF) is also known as serpin F1 (SERPINF1). In humans, it is encoded by the SERPINF1 gene. PEDF has a variety of functions including</p>

Product Details

antiangiogenic, antitumorigenic, and neurotrophic properties. It suppresses retinal neovascularization and endothelial cell proliferation. And Antiangiogenic function is also conferred by PEDF through inhibition of both VEGFR-1 and VEGFR-2. In addition, the antitumorigenic effects of PEDF are not only due to inhibition of supporting vasculature, but also due to effects on the cancer cells themselves. PEDF is shown to inhibit cancer cell proliferation and increase apoptosis via the FAS/FASL pathway. Expression of PEDF in the human retina is found at 7.4 weeks of gestation, suggesting it may play a role in retinal neuron differentiation.

Gene Name: SERPINF1

Production: Natural and recombinant human PEDF. There is no detectable cross-reactivity with other relevant proteins.

Standard: Expression system for standard: NSO, Immunogen sequence: M1-P418

Target Details

Target:	PEDF (SERPINF1)
Alternative Name:	PEDF - SerpinF1 (SERPINF1 Products)
Gene ID:	5176
NCBI Accession:	NP_002606
UniProt:	P36955

Application Details

Application Notes:	<p>Application Note: Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1 mL per well of the 50 ng/mL, 25 ng/mL, 12.5 ng/mL, 6.25 ng/mL, 3.12 ng/mL, 1.56 ng/mL, 0.78 ng/mL human PEDF 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 human cell culture supernates, serum or plasma(heparin, EDTA) to each empty well. We recommend that each human PEDF standard solution and each sample is measured in duplicate.</p> <p>Blood Product Anticoagulant: Heparin Sodium</p> <p>ELISA Dilution: 0.78 ng/mL-50 ng/mL</p> <p>Other Performance Data: DOE: 2-8° C - 12/25/18 -20° C - 6/25/19</p>
Sample Volume:	100 µL
Plate:	Pre-coated

Application Details

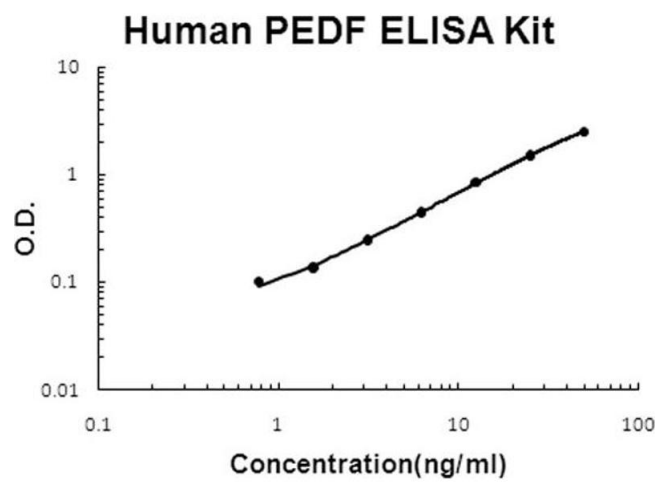
Restrictions: For Research Use only

Handling

Storage: RT,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.

Images



ELISA

Image 1. Human PEDF/SerpinF1 Accusignal ELISA Kit Human PEDF/SerpinF1 AccuSignal ELISA Kit standard curve. Assay Range: 0.78ng/ml-50ng/ml. Sensitivity: <20pg/ml.