

Human PEDF/SerpinF1 PicoKine ELISA Kit | SERPINF1 elisa kit

Human PEDF/SerpinF1 PicoKine ELISA Kit

CATALOG #
AAA46167

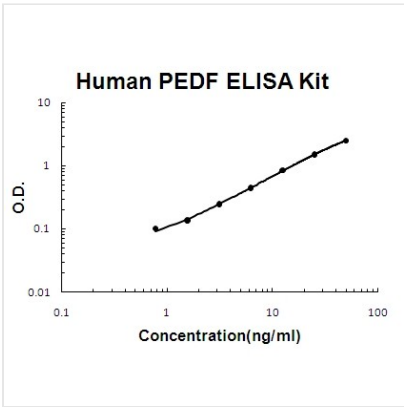
REACTIVITY
Human

PRODUCT SYNONYMS

PEDF/SerpinF1 PicoKine; Human PEDF/SerpinF1 PicoKine ELISA Kit; Pigment epithelium-derived factor; Alpha 2 antiplasmin; Cell proliferation-inducing gene 35 protein; EPC 1; EPC-1; EPC1; OI12; OI6; PEDF; PEDF_HUMAN; PIG 35; PIG35; 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 1; serpin peptidase inhibitor; SERPINF 1; SERPINF1 ; SERPINF1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant human PEDF
Sequence Length	418
Assay Range	0.78ng/ml-50ng/ml
Sensitivity	<20pg/ml
Sample	For quantitative detection of human PEDF in cell culture supernates, serum and plasma(heparin, EDTA).
Immunogen	NSO, M1-P418
Assay Procedure Step 1	Aliquot 0.1ml per well of the 50ng/ml, 25ng/ml, 12.5ng/ml, 6.25ng/ml, 3.12ng/ml, 1.56ng/ml, 0.78ng/ml human PEDF standard solutions into the precoated 96-well plate. Add 0.1ml of the sample diluent buffer into the control well (Zero well). Add 0.1ml 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.
Intra-Assay Precision	Inter-Assay Precision Sample 1 2 3 1 2 3 n 16 16 16 24 24 24 Mean(ng/ml) 5.62 10.1 25.5 6.23 12.1 26.4 Standard deviation 0.259 0.444 1.07 0.467 0.835 1.95 CV(%) 4.6 4.4 4.2 7.5 6.9 7.4
Sample Data	Concentration(ng/ml) 0 0.78 1.56 3.12 6.25 12.5 25 50 O.D. 0.051 0.101 0.134 0.243 0.439 0.829 1.482 2.472
Anticoagulant	Heparin or EDTA
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles.



Standard Curve (Sample)
Human PEDF/SerpinF1 PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for SERPINF1 elisa kit	Principle of the assay: Human PEDF ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from mouse specific for PEDF has been precoated onto 96-well plates. Standards(NSO, M1-P418) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for PEDF is added subsequently and then followed by washing with PBS or TBS buffer. Avidin-Biotin-Peroxidase Complex was added and unbound conjugates were washed away with PBS or TBS buffer. HRP substrate TMB was used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the human PEDF amount of sample captured in plate. 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 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.
---	---

NCBI AND UNIPROT INFORMATION

NCBI GI #	39725934
NCBI GeneID	5176
NCBI Accession #	NP_002606.3
NCBI GenBank Nucleotide #	NM_002615.5
UniProt Accession #	P36955; Q13236; Q2TU83; Q96CT1; Q96R01; Q9BWA4; F1T092
Molecular Weight	46,312 Da
NCBI Official Full Name	pigment epithelium-derived factor
NCBI Official Synonym Full Names	serpin family F member 1
NCBI Official Symbol	SERPINF1
NCBI Official Synonym Symbols	OI6; OI12; PEDF; EPC-1; PIG35
NCBI Protein Information	pigment epithelium-derived factor
UniProt Protein Name	Pigment epithelium-derived factor

UniProt Gene Name	SERPINF1
UniProt Synonym Gene Names	PEDF; PEDF
UniProt Entry Name	PEDF_HUMAN

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://stage.aaabiotech.com/human-elisa-kits/pedf-serpinf1-picokine/46167>