

Human PEDF ELISA Kit | SERPINF1 elisa kit

Human PEDF ELISA Kit

CATALOG #
AAA263083

REACTIVITY
Human

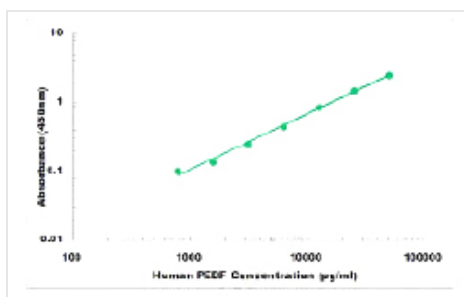
PRODUCT SYNONYMS

PEDF; Human PEDF ELISA Kit; Pigment epithelium-derived factor; Cell proliferation-inducing gene 35 protein; EPC-1; Serpin F1; SERPINF1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	The Human PEDF ELISA Kit allows for the detection and quantification of endogenous levels of natural and/or recombinant Human PEDF proteins within the range of 780 pg/ml - 50000 pg/ml.
Sequence Length	418
Samples	Cell Culture Supernates, Serum, Plasma
Sensitivity	<20 pg/ml
Preparation and Storage	Shipped and store at 4 degree C for 6 months, store at -20 degree C for one year. Avoid freeze/thaw cycles.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for SERPINF1 elisa kit	Principle of the Assay: The Human PEDF ELISA (Enzyme-Linked Immunosorbent Assay) kit is an in vitro enzyme-linked immunosorbent assay for the quantitative measurement of Human PEDF in Cell Culture Supernates, Serum, Plasma. This assay employs an antibody specific for Human PEDF coated on a 96-well plate. Standards and samples are pipetted into the wells and PEDF present in a sample is bound to the wells by the immobilized antibody. The wells are washed and biotinylated anti-Human PEDF antibody is added. After washing away unbound biotinylated antibody, HRP-conjugated streptavidin is pipetted to the wells. The wells are again washed, a TMB substrate solution is added to the wells and color develops in proportion to the amount of PEDF bound. The Stop Solution changes the color from blue to yellow, and the intensity of the color is measured at 450 nm. 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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	1049480189
NCBI GeneID	5176
NCBI Accession #	NP_001316832.1
NCBI GenBank Nucleotide #	NM_001329903.1
UniProt Accession #	P36955; Q13236; Q2TU83; Q96CT1; Q96R01; Q9BWA4; F1T092
Molecular Weight	46,312 Da
NCBI Official Full Name	pigment epithelium-derived factor isoform 1
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.

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Online datasheet: <https://www.aaabiotech.com/serpinf1-human-elisa-kits/pedf/263083>