

Human Pigment Epithelium-Derived Factor (PEDF) ELISA Kit | PEDF elisa kit

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CATALOG #
AAA331424

REACTIVITY
Human

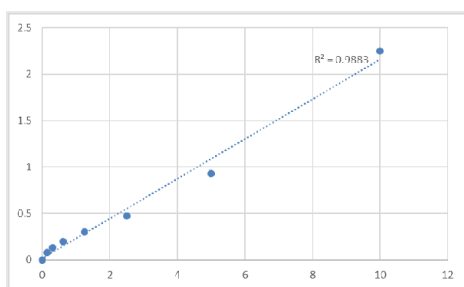
PRODUCT SYNONYMS

Pigment Epithelium-Derived Factor (PEDF); Human Pigment Epithelium-Derived Factor (PEDF) ELISA Kit; PEDF elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Pigment epithelium-derived factor (PEDF) ELISA Kit has high sensitivity and excellent specificity for detection of Human PEDF. No significant cross-reactivity or interference between Human PEDF and analogues was observed.
Sequence Length	418
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Human Pigment epithelium-derived factor (PEDF) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for PEDF elisa kit	Description: This Human Pigment epithelium-derived factor (PEDF) ELISA Kit employs a two-site sandwich ELISA to quantitate PEDF in samples. An antibody specific for PEDF has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any PEDF present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PEDF is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of PEDF bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: The PEDF gene is a member of the serpin gene family. Serpins are a group of serine protease inhibitors, some of which have also been reported to exhibit neurotrophic activity.By the analysis of 3 independent somatic cell hybrid panels, Tombran-Tink et al. (1994) assigned the PEDF gene to chromosome 17. Fluorescence in situ hybridization showed localization at the terminal portion of 17p. PCR analysis of somatic cell hybrids containing specific regions of 17 were subsequently used to sublocalize PEDF to 17pter-p13.1. Greenberg et al. (1997) used linkage analysis to narrow the localization of the PEDF gene to 17p13.3, the same region as that carrying the autosomal dominant retinitis pigmentosa locus (RP13) identified in a South African family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	1049480189
NCBI GeneID	5176
NCBI GenBank Nucleotide #	NP_001316832.1
UniProt Accession #	P36955
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://stage.aaabiotech.com/human-elisa-kits/pigment-epithelium-derived-factor-pedf/331424>