

Rat Pigment Epithelium Derived Factor ELISA Kit | PEDF elisa kit

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CATALOG #
AAA100136

REACTIVITY
Rat

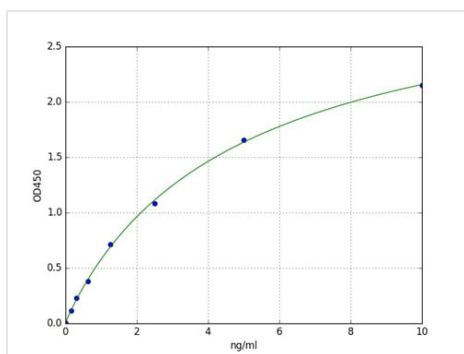
PRODUCT SYNONYMS

Pigment Epithelium Derived Factor; Rat Pigment Epithelium Derived Factor ELISA Kit; PEDF (Pigment Epithelium Derived Factor)/Serpin F1/Pigment epithelium-derived factor/Cell proliferation-inducing gene 35 protein/EPC-1; PEDF elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Sequence Length	418
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	0.156-10ng/ml
Sensitivity	0.094ng/ml
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

Typical Data & Standard Curve
Results of a typical standard run of a Rat PEDF ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A=not applicable)

X	ng/ml	0	0.156	0.313	0.625	1.25	2.5	5	10
Y	OD450	0.057	0.130	0.163	0.288	0.494	0.840	1.548	2.143

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PEDF elisa kit

Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. anti-Rat PEDF antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Rat PEDF antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were 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 Rat PEDF amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Rat PEDF can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	39725934
NCBI GeneID	5176
NCBI Accession #	NP_002606.3
NCBI GenBank Nucleotide #	NM_002615.5
Molecular Weight	46,312 Da
NCBI Official Full Name	pigment epithelium-derived factor
NCBI Official Synonym Full Names	serpin peptidase inhibitor, clade F (alpha-2 antiplasmin, pigment epithelium derived factor), 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/pedf-rat-elisa-kits/pigment-epithelium-derived-factor/100136>