

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

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CATALOG #
AAA66403

REACTIVITY
Rat

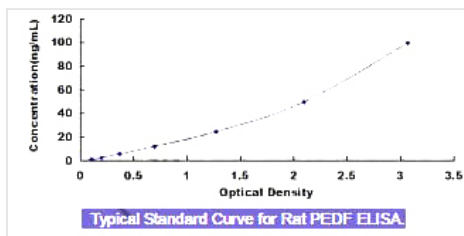
PRODUCT SYNONYMS

Pigment Epithelium Derived Factor (PEDF); Rat Pigment Epithelium Derived Factor (PEDF) ELISA Kit; SERPINF1; EPC1; PIG35; SDF3; Serpin F1; Cell proliferation-inducing gene 35; Serpin Peptidase Inhibitor; Clade F Member 1(Alpha-2 Antiplasmin); Stromal Cell Derived Factor 3; PEDF elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of PEDF. No significant cross-reactivity or interference between PEDF and analogues was observed.
Sequence Length	418
Samples	Serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids.
Assay Type	Sandwich
Detection Range	1.56-100ng/mL
Sensitivity	0.55ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level PEDF were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level PEDF were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PEDF elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of PEDF in rat serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to PEDF. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to PEDF. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain PEDF, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of PEDF in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	29293811
NCBI GeneID	287526
NCBI Accession #	NP_808788.1
NCBI GenBank Nucleotide #	NM_177927.2
UniProt Accession #	Q80ZA3; F1LSW0
Molecular Weight	46,465 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	Pedf; Dmrs91
NCBI Protein Information	pigment epithelium-derived factor
UniProt Protein Name	Alpha-2 antiplasmin
UniProt Gene Name	Serpinf1

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/rat-elisa-kits/pigment-epithelium-derived-factor-pedf/66403>