

Rat Pigment Epithelium Derived Factor (PEDF) CLIA Kit | PEDF clia kit

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CATALOG #
AAA130221

REACTIVITY
Rat

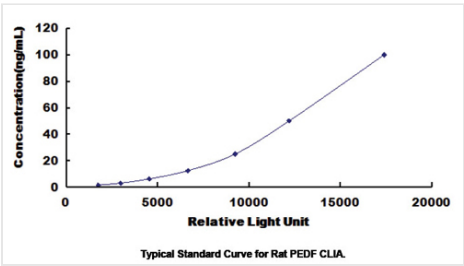
PRODUCT SYNONYMS

Pigment Epithelium Derived Factor (PEDF); Rat Pigment Epithelium Derived Factor (PEDF) CLIA 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 clia kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of Pigment Epithelium Derived Factor (PEDF). No significant cross-reactivity or interference between Pigment Epithelium Derived Factor (PEDF) and analogues was observed.
Sequence Length	418
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma and other biological fluids
Detection Range	0.14-100ng/mL
Sensitivity	0.06ng/mL
Application	Chemiluminescent immunoassay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Pigment Epithelium Derived Factor (PEDF) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Pigment Epithelium Derived Factor (PEDF) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PEDF clia kit	The microplate provided in this kit has been pre-coated with an antibody specific to Pigment Epithelium Derived Factor (PEDF). Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to Pigment Epithelium Derived Factor (PEDF). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then the mixture of substrate A and B is added to generate glow light emission kinetics. Upon plate development, the intensity of the emitted light is proportional to the Pigment Epithelium Derived Factor (PEDF) level in the sample or standard.;
Product Categories/Family for PEDF clia kit	Cytokine; Neuroscience

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 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.