

Rat Pigment Epithelium Derived Factor ELISA Kit | PEDF elisa kit

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CATALOG #
AAA85344

REACTIVITY
Rat

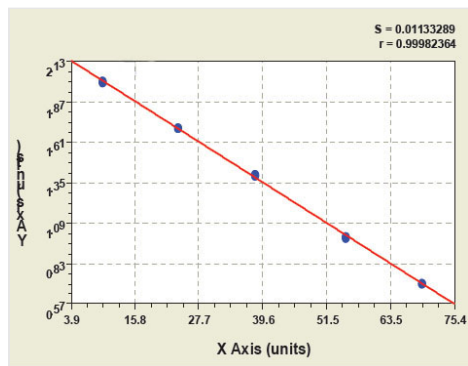
PRODUCT SYNONYMS

Pigment Epithelium Derived Factor; Rat Pigment Epithelium Derived Factor ELISA Kit; PEDF elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Sandwich
Detection Range	5.0-100 ng/mL
Sensitivity	1.0ng/ml
Intended Uses	This PEDF ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat PEDF. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PEDF elisa kit

Principle of the Assay: PEDF ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-PEDF antibody and an PEDF-HRP conjugate. The assay sample and buffer are incubated together with PEDF-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the PEDF concentration since PEDF from samples and PEDF-HRP conjugate compete for the anti-PEDF antibody binding site. Since the number of sites is limited, as more sites are occupied by PEDF from the sample, fewer sites are left to bind PEDF-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The PEDF concentration in each sample is interpolated from this standard curve.

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; serpin F1; cell proliferation-inducing gene 35 protein; serine (or cysteine) proteinase inhibitor, clade F (alpha-2 antiplasmin, pigment epithelium derived factor), member 1
UniProt Protein Name	Pigment epithelium-derived factor
UniProt Gene Name	SERPINF1
UniProt Synonym Gene Names	PEDF; PIG35; 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.