

Chicken Pigment Epithelium Derived Factor ELISA Kit | PEDF elisa kit

Chicken Pigment Epithelium Derived Factor ELISA Kit

CATALOG #
AAA89580

REACTIVITY
Chicken

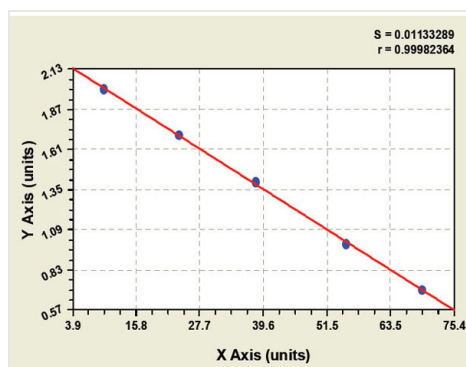
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Chicken
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	1.0 ng/mL.
Intended Uses	This PEDF ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Chicken 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.

Product Categories/Family for PEDF elisa kit

Cardiovascular

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
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; 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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/pedf-chicken-elisa-kits/pigment-epithelium-derived-factor/89580>