ARG81190
Human SERPINF1 / PEDF ELISA Kit

Package: 96 wells
Store at: 4°C

Summary

Product Description	ARG81190 Human SERPINF1 / PEDF ELISA is an Enzyme Immunoassay kit for the quantification of Human PEDF in serum, plasma or cell culture media
Tested Reactivity	Hu
Tested Application	ELISA
Target Name	SERPINF1 / PEDF
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm
Detection Range	Linear Range: 2.2 - 140 ng/ml
Sample Type	Serum, plasma or cell culture media
Precision	Intra-Assay CV: less than 10% Inter-Assay CV: less than 15%
Alternate Names	OI6; OI12; PEDF; EPC-1; PIG35; Serpin F1; pigment epithelium-derived factor

Application Instructions

Assay Time	~ 5 hours

Properties

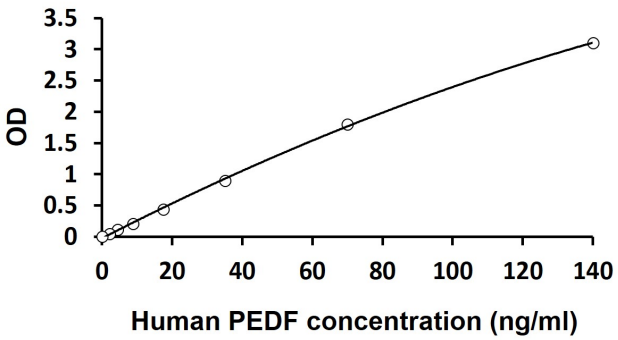
Form	96 well
Storage instruction	Store the kit at 2-8°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Database links	GeneID: 5176 Human Swiss-port # P36955 Human
Gene Symbol	SERPINF1
Gene Full Name	serpin family F member 1
Background	This gene encodes a member of the serpin family that does not display the serine protease inhibitory activity shown by many of the other serpin proteins. The encoded protein is secreted and strongly inhibits angiogenesis. In addition, this protein is a neurotrophic factor involved in neuronal differentiation in retinoblastoma cells. Mutations in this gene were found in individuals with osteogenesis imperfecta, type VI. [provided by RefSeq, Aug 2016]

Function	Neurotrophic protein; induces extensive neuronal differentiation in retinoblastoma cells. Potent inhibitor of angiogenesis. As it does not undergo the S (stressed) to R (relaxed) conformational transition characteristic of active serpins, it exhibits no serine protease inhibitory activity. [UniProt]
Highlight	Related products: Serpin antibodies; Serpin ELISA Kits; New ELISA data calculation tool: Simplify the ELISA analysis by GainData
PTM	The N-terminus is blocked. Extracellular phosphorylation enhances antiangiogenic activity. N- and O-glycosylated. O-glycosylated with a core 1 or possibly core 8 glycan.

Images



ARG81190 Human SERPINF1 / PEDF ELISA Kit standard curve image

ARG81190 Human SERPINF1 / PEDF ELISA Kit results of a typical standard run with optical density reading at 450 nm.