ARG81139
Human Endostatin ELISA Kit

Package: 96 wells
Store at: 4°C

Summary

Product Description	ARG81139 Human Endostatin ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human Endostatin in serum and plasma.
Tested Reactivity	Hu
Tested Application	ELISA
Specificity	The following recombinant human proteins prepared at 1 ng/ml were tested and exhibited no cross-reactivity or interference: Adiponectin, ApoAI, BMP1, BMP2, BMP3, BMP4, BMP5, BMP6, BMP7, CCL2, CCL4, CCL5, CRP, FGF acidic, HGF, HSP27, IGF-1, IL-1α, IL-1β, IL-1ra, IL-4, IL-5, IL-6, IL-8, IL-10, IL-12, IL-13, IL-15, IL-17C, ENDOSTATIN1, ENDOSTATIN3, IFN-α, IFN-β, IFN, MMP-2, MMP-3, MMP-9, PDGF, PLA2G7, prolactin, TLR1, TLR2, TLR3, TLR4, TLR9, TGF-β1, TGF-β2, TGF-β3, TNF-α, TNF RI, TNF RII, VEGF, VEGF-R1
Target Name	Endostatin
Conjugation Note	Read at 450 nm. Please refer the user manual for the detail.
Sensitivity	12 pg/ml
Sample Type	Serum and plasma.
Standard Range	62.5 - 4000 pg/ml
Sample Volume	100 µl
Alternate Names	KS; KNO; KNO1; Collagen alpha-1(XVIII) chain

Application Instructions

Assay Time	~ 3 hours

Properties

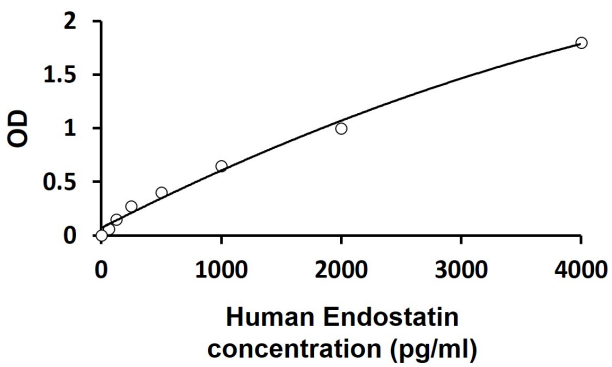
Form	96 well
Storage instruction	Store the kit at 2-8°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components.
Note	For laboratory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

Bioinformation

Database links	GeneID: 80781 Human Swiss-port # P39060 Human
Gene Symbol	COL18A1
Gene Full Name	collagen, type XVIII, alpha 1

Background	This gene encodes the alpha chain of type XVIII collagen. This collagen is one of the multiplexins, extracellular matrix proteins that contain multiple triple-helix domains (collagenous domains) interrupted by non-collagenous domains. A long isoform of the protein has an N-terminal domain that is homologous to the extracellular part of frizzled receptors. Proteolytic processing at several endogenous cleavage sites in the C-terminal domain results in production of endostatin, a potent antiangiogenic protein that is able to inhibit angiogenesis and tumor growth. Mutations in this gene are associated with Knobloch syndrome. The main features of this syndrome involve retinal abnormalities, so type XVIII collagen may play an important role in retinal structure and in neural tube closure. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Dec 2014]
Function	COLA18A probably plays a major role in determining the retinal structure as well as in the closure of the neural tube. Endostatin potently inhibits endothelial cell proliferation and angiogenesis. May inhibit angiogenesis by binding to the heparan sulfate proteoglycans involved in growth factor signaling. [UniProt]
Highlight	Related products: Endostatin antibodies; Endostatin ELISA Kits; New ELISA data calculation tool: Simplify the ELISA analysis by GainData
PTM	Prolines at the third position of the tripeptide repeating unit (G-X-Y) of the triple-helical regions are hydroxylated.

Images



ARG81139 Human Endostatin ELISA Kit standard curve image

ARG81139 Human Endostatin ELISA Kit results of a typical standard run with optical density reading at 450 nm.