

Human Angiostatin K1-3 ELISA Kit | PLG elisa kit

Human Angiostatin K1-3 PicoKine ELISA Kit

CATALOG #
AAA45299

REACTIVITY
Human

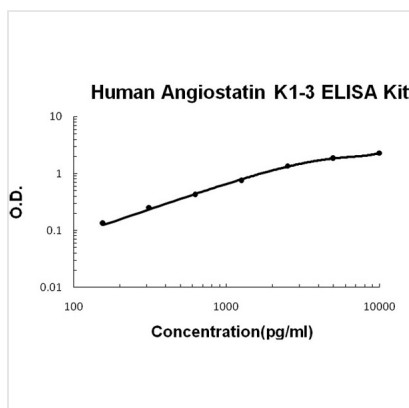
PRODUCT SYNONYMS

Angiostatin K1-3; Human Angiostatin K1-3 PicoKine ELISA Kit; Plasminogen; plasminogen; Ang K1-3; PLG elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant human Angiostatin K1-3
Sequence Length	810
Samples	Serum, plasma and cell culture supernates
Assay Type	Sandwich
Detection Range	156pg/ml-10,000pg/ml
Sensitivity	< 50pg/ml
Intra-assay Precision	Intra-Assay Precision (Precision within an assay) Three samples of known concentration were tested on one plate to assess intra-assay precision.
Inter-assay Precision	Inter-Assay Precision (Precision between assays) Three samples of known concentration were tested in separate assays to assess inter-assay precision.
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles (Shipped with wet ice.)

IMAGES



Standard Curve (Sample)

Human Angiostatin K1-3 PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for PLG elisa kit	Principle of the assay: human Angiostatin K1-3 ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from mouse specific for Angiostatin K1-3 has been precoated onto 96-well plates. Standards and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for Angiostatin K1-3 is added subsequently and then followed by washing with PBS or TBS buffer. Avidin-Biotin-Peroxidase Complex was added and unbound conjugates were washed away with PBS or TBS buffer. HRP substrate TMB was used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the human Angiostatin K1-3 amount of sample captured in plate. Background: Ang K1-3 is a single, non-glycosylated polypeptide chain containing 259 amino acids. It represents a proteolytic fragment of plasminogen containing the first three kringle structures. Ang K1-3 reduces endothelial cell proliferation and acts as a potent inhibitor of angiogenesis and tumor growth. It displays increased inhibitory activity (ED50 =70 nM) relative to kringles 1-4 (ED50 = 135 nM).
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NCBI AND UNIPROT INFORMATION

NCBI GI #	130316
NCBI GeneID	5340
UniProt Accession #	P00747; Q15146; Q5TEH4; Q6PA00
Molecular Weight	90,569 Da
NCBI Official Full Name	Plasminogen
NCBI Official Synonym Full Names	plasminogen
NCBI Official Symbol	PLG
NCBI Protein Information	plasminogen
UniProt Protein Name	Plasminogen
UniProt Gene Name	PLG
UniProt Entry Name	PLMN_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.