

Human Angiostatin K1-3 ELISA Kit | PLG elisa kit

Human Angiostatin K1-3 PicoKine Fast ELISA Kit

CATALOG #
AAA125350

REACTIVITY
Human

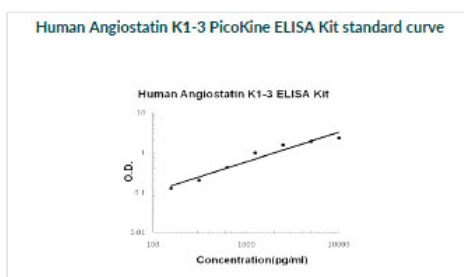
PRODUCT SYNONYMS

Angiostatin K1-3; Human Angiostatin K1-3 PicoKine Fast ELISA Kit; Human Angiostatin K1-3; Plasminogen; 3.4.21.7; Plasmin heavy chain A; Activation peptide; Angiostatin; short form; Plasmin light chain B; PLG; PLG elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant Human PLG
Sequence Length	810
Samples	Cell culture supernates, serum and plasma(heparin, EDTA)
Detection Range	156pg/ml-10000pg/ml
Sensitivity	<10pg/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 accross 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. Store at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PLG elisa kit	Principle of the Assay: The Picokine™ Human PLG Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid phase immunoassay specially designed to measure Human PLG with a 96-well strip plate that is pre-coated with antibody specific for PLG. The detection antibody is a biotinylated antibody specific for PLG. The capture antibody is monoclonal antibody from mouse, the detection antibody is polyclonal antibody from goat. The kit contains recombinant Human PLG with immunogen: Expression system for standard: NSO,V98-S355(K1-3). The kit is analytically validated with ready to use reagents. To measure Human PLG, add standards and samples to the wells, then add the biotinylated detection antibody. Wash the wells with PBS or TBS buffer, and add Avidin-Biotin-Peroxidase Complex (ABC-HRP). Wash away the unbounded ABC-HRP with PBS or TBS buffer and add TMB. TMB is substrate to HRP and will be catalyzed to produce a blue color product, which changes into yellow after adding acidic stop solution. The density of the yellow product is linearly propotional to Human PLG in the sample. Read the density of the yellow product in each well using a plate reader, and benchmark the sample wells' readings against the standard curve to determine the concentration of Human PLG in the sample.!!Background/Introduction: 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(ED?? =70 nM) relative to kringles 1-4(ED?? = 135 nM).
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4505881
NCBI GeneID	5340
NCBI Accession #	NP_000292.1
NCBI GenBank Nucleotide #	NP_000292.1
UniProt Accession #	P00747
NCBI Official Full Name	plasminogen isoform 1
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.