

Human ANG ELISA Kit | ANG elisa kit

Human ANG PicoKine ELISA Kit

CATALOG #
AAA45257

REACTIVITY
Human

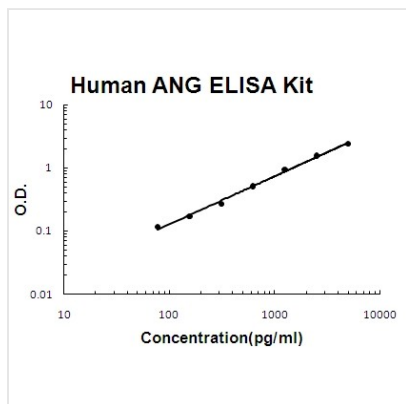
PRODUCT SYNONYMS

ANG; Human ANG PicoKine ELISA Kit; Angiogenin; angiogenin; ribonuclease; RNase A family; 5; ALS9; ANG 1; ANG I; ANG1; ANGI; Angiogenin ribonuclease RNase A family 5; Epididymis luminal protein 168; HEL168; MGC22466; MGC71966; Ribonuclease 5; Ribonuclease RNase A Family 5; Ribonuclease5; RNASE 5; RNASE4; RNASE5; ANG elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant human ANG
Sequence Length	147
Samples	Cell culture supernates, serum and plasma (heparin, EDTA)
Assay Type	Sandwich
Detection Range	78pg/ml-5000pg/ml
Sensitivity	< 12pg/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 ANG PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for ANG elisa kit	Principle of the assay: human ANG ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from mouse specific for ANG has been precoated onto 96-well plates. Standards(E.coli, Q25-P147) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for ANG 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 ANG amount of sample captured in plate. Background: Angiogenin (Ang) also known as ribonuclease 5 is a protein that in humans is encoded by the ANG gene. Angiogenin is a potent stimulator of new blood vessel formation. It hydrolyzes cellular tRNAs resulting in decreased protein synthesis and is similar to pancreatic ribonuclease. Angiogenins are involved in host defense and noted that inflammation provokes upregulated ANG mRNA expression in liver and an increase in detectable ANG protein in serum. The human angiogenin gene was mapped to chromosome 14q11.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	113873
NCBI GeneID	283
UniProt Accession #	P03950; Q05CV1; Q53X86; Q6P5T2; Q8WXE7
Molecular Weight	16,550 Da
NCBI Official Full Name	Angiogenin
NCBI Official Synonym Full Names	angiogenin, ribonuclease, RNase A family, 5
NCBI Official Symbol	ANG
NCBI Official Synonym Symbols	ALS9; RAA1; HEL168; RNASE4; RNASE5
NCBI Protein Information	angiogenin; RNase 5; ribonuclease 5; ribonuclease A A1; epididymis luminal protein 168
UniProt Protein Name	Angiogenin
UniProt Gene Name	ANG
UniProt Synonym Gene Names	RNASE5; RNase 5
UniProt Entry Name	ANGI_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.