

Human Angiogenin / ANG ELISA Kit | ANG elisa kit

ANG Human ELISA Kit

CATALOG # AAA58900	REACTIVITY Human	APPLICATIONS ELISA
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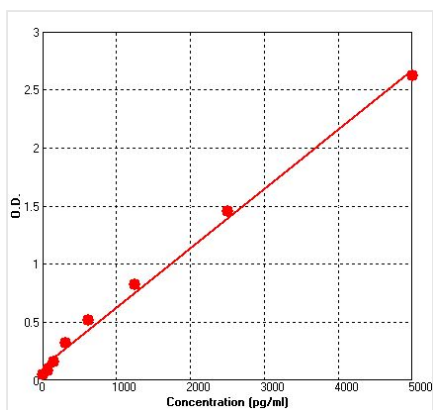
PRODUCT SYNONYMS

Angiogenin / ANG; ANG Human ELISA Kit; Human Angiogenin / ANG; ANG elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Assay Type	Sandwich
Detection Range	78 pg/ml-5000 pg/ml
Sensitivity	< 12pg/ml
Applicable Applications for ANG elisa kit	ELISA
Preparation and Storage	Store at 2-8 degree C for 4 months, or at -20 degree C for 8 months.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ANG elisa kit	Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-ANG polyclonal antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-ANG polyclonal antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. Avidin-Biotin-Peroxidase Complex was added and unbound conjugates were washed away with wash buffer. TMB substrates were 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 ANG amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of ANG can be calculated. Background: Angiogenin (ANG) also known as ribonuclease 5, is a potent stimulator of new blood vessel formation. ANG is a member of the pancreatic ribonuclease A superfamily, and RNase activity of ANG is important for its angiogenic activity. It is expressed in the neuroaxis. Like VEGF, ANG is induced by hypoxia to elicit angiogenesis and is expressed in motor neurons. Angiogenin may function as a tRNA-specific ribonuclease that binds to actin on the surface of endothelial cells, once bound, angiogenin is endocytosed and translocated to the nucleus, thereby promoting the endothelial invasiveness necessary for blood vessel formation. Angiogenin induces vascularization of normal and malignant tissues, and abolishes protein synthesis by specifically hydrolyzing cellular tRNAs.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4557313
NCBI GeneID	283
NCBI Accession #	NP_001136.1
NCBI GenBank Nucleotide #	NM_001145.4
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; HEL168; RNASE4; RNASE5
NCBI Protein Information	angiogenin; RNase 5; ribonuclease 5; 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.