

Human ANG ELISA Kit | ANG elisa kit

ANG ELISA

CATALOG #
AAA72620

REACTIVITY
Human

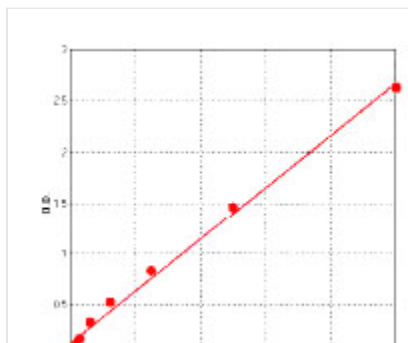
PRODUCT SYNONYMS

ANG; ANG ELISA; ANG elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Human serum, plasma, body fluids, tissue lysates or cell culture supernates
Assay Type	Sandwich
Detection Range	78pg/ml-5000pg/ml
Sensitivity	<12pg/ml
Intended Uses	For detection of ANG in human serum, plasma, body fluids, tissue lysates or cell culture supernates. For research use only.
Preparation and Storage	2 - 8 degree C

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.
Product Categories/Family for ANG elisa kit	Cardiovascular; Brain Disorders & Neuroscience; Oncology; Research Assays; Assay Categories

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.

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Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/ang/72620>