

Porcine Angiopoietin 1 ELISA Kit | ANG1 elisa kit

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CATALOG #
AAA89814

REACTIVITY
Porcine

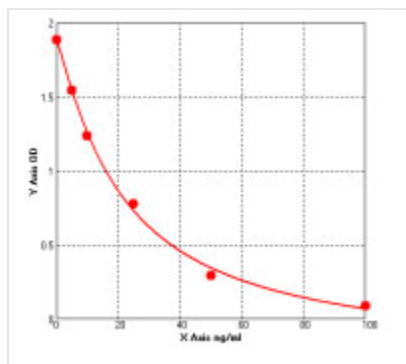
PRODUCT SYNONYMS

Angiopoietin 1; Porcine Angiopoietin 1 ELISA Kit; ANG1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Porcine
Specificity	This assay has high sensitivity and excellent specificity for detection of ANG-1. No significant cross-reactivity or interference between ANG-1 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between ANG-1 and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	1.0 ng/mL
Intended Uses	This ANG1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Porcine ANG1. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ANG1 elisa kit	Principle of the Assay: ANG-1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-ANG-1 antibody and an ANG-1-HRP conjugate. The assay sample and buffer are incubated together with ANG-1-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the ANG-1 concentration since ANG-1 from samples and ANG-1-HRP conjugate compete for the anti-ANG-1 antibody binding site. Since the number of sites is limited, as more sites are occupied by ANG-1 from the sample, fewer sites are left to bind ANG-1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The ANG-1 concentration in each sample is interpolated from this standard curve. Intended Uses: This ANG-1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Porcine ANG-1. This ELISA kit for research use only, not for therapeutic or test applications!
Product Categories/Family for ANG1 elisa kit	Cardiovascular

NCBI AND UNIPROT INFORMATION

NCBI GI #	315434240
NCBI GeneID	284
NCBI Accession #	NP_001186788.1
NCBI GenBank Nucleotide #	NM_001199859.1
Molecular Weight	57,456 Da
NCBI Official Full Name	angiotensinogen-1 isoform 2
NCBI Official Synonym Full Names	angiotensinogen 1
NCBI Official Symbol	ANGPT1
NCBI Official Synonym Symbols	AGP1; AGPT; ANG1
NCBI Protein Information	angiotensinogen-1; ANG-1
UniProt Protein Name	Angiotensinogen-1
UniProt Gene Name	ANGPT1
UniProt Synonym Gene Names	KIAA0003; ANG-1
UniProt Entry Name	ANGP1_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.

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Online datasheet: <https://stage.aaabiotech.com/ang1-porcine-elisa-kits/angiotensin-1/89814>