

Human Angiopoietin-1 ELISA Kit | ANGPT1 elisa kit

Human Angiopoietin-1 PicoKine ELISA Kit

CATALOG #
AAA45926

REACTIVITY
Human

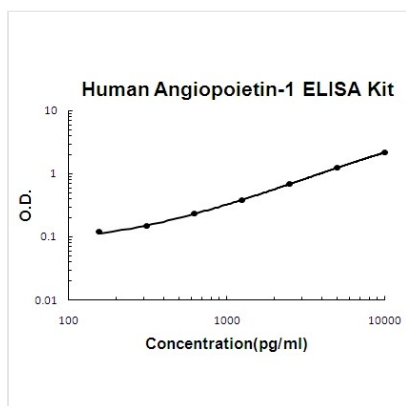
PRODUCT SYNONYMS

Angiopoietin-1; Human Angiopoietin-1 PicoKine ELISA Kit; angiopoietin 1; 1110046O21Rik; AGP 1; AGP1; AGPT; ANG 1; ANG1; Angiopoietin1; ANGPT 1; ANGPT1; KIAA0003; ANGPT1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant human Angiopoietin-1
Sequence Length	498
Samples	Cell culture supernates, serum, plasma (heparin, EDTA), saliva and human milk
Assay Type	Sandwich
Detection Range	156pg/ml-10,000pg/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 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 Angiopoietin-1 PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for ANGPT1 elisa kit	Principle of the assay: human Angiopoietin-1 ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from mouse specific for Angiopoietin-1 has been precoated onto 96-well plates. Standards(NSO, H16-F498) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for Angiopoietin-1 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 Angiopoietin-1 amount of sample captured in plate. Background: Angiopoietin 1, also called ANG1 is a type of angiopoietin and is encoded by the gene ANGPT1. Angiopoietins are proteins with important roles in vascular development and angiogenesis. All angiopoietins bind with similar affinity to an endothelial cell-specific tyrosine-protein kinase receptor. This gene was mapped to 8q23.1. The protein encoded by this gene is a secreted glycoprotein that activates the receptor by inducing its tyrosine phosphorylation. It plays a critical role in mediating reciprocal interactions between the endothelium and surrounding matrix and mesenchyme and inhibits endothelial permeability. The protein also contributes to blood vessel maturation and stability, and may be involved in early development of the heart.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	12229574
NCBI GeneID	284
UniProt Accession #	Q15389; Q5HYA0
Molecular Weight	57,456 Da
NCBI Official Full Name	Angiopoietin-1
NCBI Official Synonym Full Names	angiopoietin 1
NCBI Official Symbol	ANGPT1
NCBI Official Synonym Symbols	AGP1; AGPT; ANG1
NCBI Protein Information	angiopoietin-1; ANG-1
UniProt Protein Name	Angiopoietin-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.