

Human ANGPTL2 ELISA Kit | ANGPTL2 elisa kit

Human ANGPTL2 PicoKine ELISA Kit

CATALOG #
AAA125248

REACTIVITY
Human

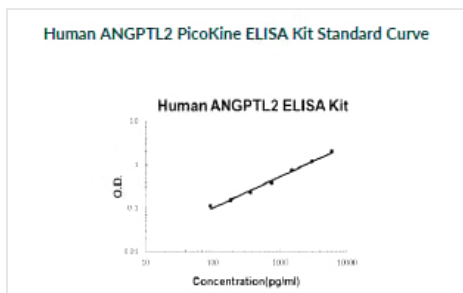
PRODUCT SYNONYMS

ANGPTL2; Human ANGPTL2 PicoKine ELISA Kit; Human ANGPTL2; angiopoietin like 2; Angiopoietin-related protein 2; Angiopoietin-like protein 2; ANGPTL2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant Human ANGPTL2
Sequence Length	493
Samples	Cell culture supernates, serum and plasma (heparin, EDTA)
Detection Range	93.7pg/ml-6000pg/ml
Sensitivity	<50pg/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 across 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. Store at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ANGPTL2 elisa kit	Principle of the Assay: The Picokine™ Human ANGPTL2 Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid phase immunoassay specially designed to measure Human ANGPTL2 with a 96-well strip plate that is pre-coated with antibody specific for ANGPTL2. The detection antibody is a biotinylated antibody specific for ANGPTL2. The capture antibody is a monoclonal antibody from mouse, the detection antibody is a biotinylated polyclonal antibody from goat. The kit contains recombinant Human ANGPTL2 with immunogen: Expression system for standard: NSO, Immunogen sequence: Q23-H493. The kit is analytically validated with ready to use reagents. To measure Human ANGPTL2, add standards and samples to the wells, then add the biotinylated detection antibody. Wash the wells with PBS or TBS buffer, and add Avidin-Biotin-Peroxidase Complex (ABC-HRP). Wash away the unbounded ABC-HRP with PBS or TBS buffer and add TMB. TMB is substrate to HRP and will be catalyzed to produce a blue color product, which changes into yellow after adding acidic stop solution. The density of the yellow product is linearly proportional to Human ANGPTL2 in the sample. Read the density of the yellow product in each well using a plate reader, and benchmark the sample wells' readings against the standard curve to determine the concentration of Human ANGPTL2 in the sample.!!Background/Introduction: Angiopoietin-related protein 2 also known as angiopoietin-like protein 2 is a protein that in humans is encoded by the ANGPTL2 gene. This gene is mapped to 9q33.3. Angiopoietin-like protein 2 maintains tissue homeostasis by promoting adaptive inflammation and subsequent tissue reconstruction, whereas an excess of ANGPTL2 activation induced by prolonged stress promotes the breakdown of tissue homeostasis due to chronic inflammation, promoting the development of metabolic diseases. ANGPTL2 has a role also in angiogenesis, in tissue repair, in obesity, in atherosclerotic diseases and finally in carcinogenesis. Angiopoietins are members of the vascular endothelial growth factor family and the only known growth factors largely specific for vascular endothelium. Angiopoietin-1, angiopoietin-2, and angiopoietin-4 participate in the formation of blood vessels. ANGPTL2 protein is a secreted glycoprotein with homology to the angiopoietins and may exert a function on endothelial cells through autocrine or paracrine action.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	6912236
NCBI GeneID	23452
NCBI Accession #	NP_036230.1
NCBI GenBank Nucleotide #	NP_036230.1
UniProt Accession #	Q9UKU9
NCBI Official Full Name	angiopoietin-related protein 2
NCBI Official Synonym Full Names	angiopoietin like 2
NCBI Official Symbol	ANGPTL2
NCBI Official Synonym Symbols	ARP2; HARP
NCBI Protein Information	angiopoietin-related protein 2
UniProt Protein Name	Angiopoietin-related protein 2
UniProt Gene Name	ANGPTL2
UniProt Synonym Gene Names	ARP2
UniProt Entry Name	ANGL2_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.