

Human ANGPTL7 ELISA Kit | ANGPTL7 elisa kit

Human ANGPTL7 PicoKine ELISA Kit

CATALOG #
AAA125246

REACTIVITY
Human

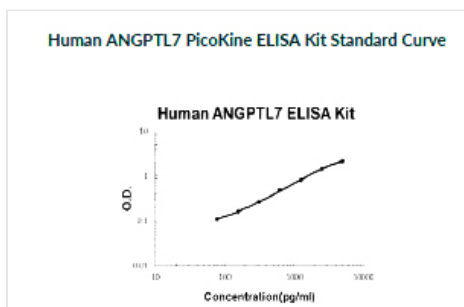
PRODUCT SYNONYMS

ANGPTL7; Human ANGPTL7 PicoKine ELISA Kit; Human ANGPTL7; angiopoietin like 7; Angiopoietin-related protein 7; Angiopoietin-like factor; Angiopoietin-like protein 7; Cornea-derived transcript 6 protein; CDT6; UNQ313; PRO356; ANGPTL7 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant Human ANGPTL7
Sequence Length	346
Samples	Cell culture supernates, serum and plasma (heparin, EDTA)
Detection Range	78pg/ml-5000pg/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 ANGPTL7 elisa kit	Principle of the Assay: The Picokine™ Human ANGPTL7 Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid phase immunoassay specially designed to measure Human ANGPTL7 with a 96-well strip plate that is pre-coated with antibody specific for ANGPTL7. The detection antibody is a biotinylated antibody specific for ANGPTL7. The capture antibody is a monoclonal antibody from mouse, the detection antibody is a biotinylated polyclonal antibody from goat. The kit contains recombinant Human ANGPTL7 with immunogen: Expression system for standard: CHO, Immunogen sequence: Q27-P346. The kit is analytically validated with ready to use reagents. To measure Human ANGPTL7, 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 ANGPTL7 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 ANGPTL7 in the sample.!!Background/Introduction: Angiopoietin-related protein 7 is a protein that in humans is encoded by the ANGPTL7 gene. This gene is mapped to 1p36.22. Angiopoietin-like Protein 7 (ANGPTL7), also known as Corneal-Derived Transcript 6 (CDT6), is a secreted, 45?50 kDa glycoprotein member of the angiopoietin-like family of molecules. Members of this protein family contain an N-terminal coiled coil domain and a C-terminal fibrinogen-like domain. ANGPTL7 is expressed in the corneal stroma, trabecular meshwork, and sclera. Its production is up-regulated in trabecular meshwork cells by glucocorticoids and TGF-beta and in cartilage by TNF-alpha. ANGPTL7 expression is upregulated under conditions of increased ocular pressure.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	10863949
NCBI GeneID	10218
NCBI Accession #	NP_066969.1
NCBI GenBank Nucleotide #	NP_066969.1
UniProt Accession #	O43827
NCBI Official Full Name	angiopoietin-related protein 7
NCBI Official Synonym Full Names	angiopoietin like 7
NCBI Official Symbol	ANGPTL7
NCBI Official Synonym Symbols	AngX; CDT6; dJ647M16.1
NCBI Protein Information	angiopoietin-related protein 7
UniProt Protein Name	Angiopoietin-related protein 7
UniProt Gene Name	ANGPTL7
UniProt Synonym Gene Names	CDT6
UniProt Entry Name	ANGL7_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/human-elisa-kits/angptl7/125246>