

Human ANGPTL7 (Angiopoietin-related protein 7) ELISA Kit | ANGPTL7 elisa kit

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CATALOG #
AAA248962

REACTIVITY
Human

PRODUCT SYNONYMS

ANGPTL7 (Angiopoietin-related protein 7); Human ANGPTL7 (Angiopoietin-related protein 7) ELISA Kit; ANGPTL7 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of ANGPTL4. No significant cross-reactivity or interference between ANGPTL4 and analogues was observed.
Sequence Length	346
Samples	Serum, Plasma, Tissue Homogenates And Other Biological Fluids
Assay Type	Sandwich
Detection Range	0.156-10ng/ml
Sensitivity	<0.094ng/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level ANGPTL4 were tested 20 times on one plate, respectively. Intra-Assay: CV<8%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level ANGPTL4 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<10%
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES

Typical Data & Standard Curve

Results of a typical standard operation of a ANGPTL7 ELISA Kit are listed below. This standard curve was generated at our lab for demonstration purpose only. Users shall obtain standard curve as per experiment by themselves. (N/A=not applicable)

X	pg/ml	0	78.125	156.25	312.5	625	1250	2500	5000
Y	OD450	0.039	0.412	0.68	1.016	1.53	2.002	2.319	2.459

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ANGPTL7 elisa kit

Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-ANGPTL4 antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-ANGPTL4 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. HRP-Streptavidin 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 ANGPTL4 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of ANGPTL4 can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	10863949
NCBI GeneID	10218
NCBI Accession #	NP_066969.1
NCBI GenBank Nucleotide #	NM_021146.4
UniProt Accession #	O43827; Q4ZGK4; B2R9B2; F1T0A6
Molecular Weight	40,018 Da
NCBI Official Full Name	angiotensin-converting enzyme 2
NCBI Official Synonym Full Names	angiotensin-converting enzyme 2
NCBI Official Symbol	ACE2
NCBI Official Synonym Symbols	AngX; CDT6; dJ647M16.1
NCBI Protein Information	angiotensin-converting enzyme 2
UniProt Protein Name	Angiotensin-converting enzyme 2
UniProt Gene Name	ACE2
UniProt Synonym Gene Names	CDT6

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-angiotensin-converting-enzyme-2/248962>