Canine Angiopoietin Like Protein 1 ELISA Kit | ANGPTL1 elisa kit

Canine Angiopoietin Like Protein 1 ELISA Kit

CATALOG #	REACTIVITY
AAA88907	**Canine**

PRODUCT SYNONYMS

Angiopoietin Like Protein 1; Canine Angiopoietin Like Protein 1 ELISA Kit; ANGPTL1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Sandwich
Detection Range	0.5-10ng/mL
Sensitivity	0.1ng/mL
Intended Uses	This ANGPTL1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine ANGPTL1. 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 ANGPTL1 elisa kit	**Principle of the assay:** ANGPTL1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-ANGPTL1 antibody and an ANGPTL1-HRP conjugate. The assay sample and buffer are incubated together with ANGPTL1-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 ANGPTL1 concentration since ANGPTL1 from samples and ANGPTL1-HRP conjugate compete for the anti-ANGPTL1 antibody binding site. Since the number of sites is limited, as more sites are occupied by ANGPTL1 from the sample, fewer sites are left to bind ANGPTL1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The ANGPTL1 concentration in each sample is interpolated from this standard curve.
Product Categories/Family for ANGPTL1 elisa kit	Cardiovascular

NCBI AND UNIPROT INFORMATION

NCBI GI #	4757752
NCBI GeneID	9068

NCBI Accession #	NP_004664.1
NCBI GenBank Nucleotide #	NM_004673.3
Molecular Weight	56,720 Da
NCBI Official Full Name	angiopoietin-related protein 1
NCBI Official Synonym Full Names	angiopoietin-like 1
NCBI Official Symbol	ANGPTL1
NCBI Official Synonym Symbols	ANG3; ARP1; AngY; ANGPT3; UNQ162; dJ595C2.2
NCBI Protein Information	angiopoietin-related protein 1; ANG-3; angioarrestin; angiopoietin 3; angiopoietin-3; angiopoietin Y1; angiopoietin-like protein 1; dJ595C2.2 (angiopoietin Y1)
UniProt Protein Name	Angiopoietin-related protein 1
UniProt Gene Name	**ANGPTL1**
UniProt Synonym Gene Names	ANG3; ANGPT3; ARP1; PSEC0154; UNQ162/PRO188; ANG-3
UniProt Entry Name	ANGL1_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/angptl1-canine-elisa-kits/angiopoietin-like-protein-1/88907