

Canine Perilipin 1 ELISA Kit | PLIN1 elisa kit

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CATALOG #
AAA94314

REACTIVITY
Canine

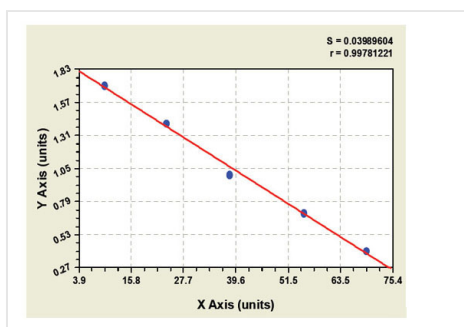
PRODUCT SYNONYMS

Perilipin 1; Canine Perilipin 1 ELISA Kit; PLIN1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	0.1 ng/mL.
Intended Uses	This PLIN1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine PLIN1. 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 PLIN1 elisa kit

Principle of the Assay: PLIN1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-PLIN1 antibody and an PLIN1-HRP conjugate. The assay sample and buffer are incubated together with PLIN1-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 PLIN1 concentration since PLIN1 from samples and PLIN1-HRP conjugate compete for the anti-PLIN1 antibody binding site. Since the number of sites is limited, as more sites are occupied by PLIN1 from the sample, fewer sites are left to bind PLIN1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The PLIN1 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	223718203
NCBI GeneID	5346
NCBI Accession #	NP_001138783.1
NCBI GenBank Nucleotide #	NM_001145311.1
Molecular Weight	55,990 Da
NCBI Official Full Name	perilipin-1
NCBI Official Synonym Full Names	perilipin 1
NCBI Official Symbol	PLIN1
NCBI Official Synonym Symbols	PERI; PLIN; FPLD4
NCBI Protein Information	perilipin-1; lipid droplet-associated protein
UniProt Protein Name	Perilipin-1
UniProt Gene Name	PLIN1
UniProt Synonym Gene Names	PERI; PLIN
UniProt Entry Name	PLIN1_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/plin1-canine-elisa-kits/perilipin-1/94314>