

Canine Phospholipase A1 ELISA Kit | PLA1 elisa kit

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CATALOG #
AAA92275

REACTIVITY
Canine

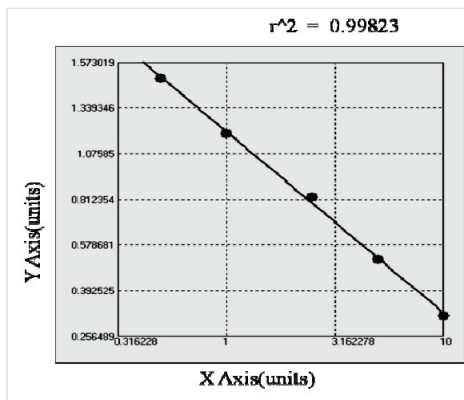
PRODUCT SYNONYMS

Phospholipase A1; Canine Phospholipase A1 ELISA Kit; PLA1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	0.5-10ng/mL
Sensitivity	0.1ng/mL
Intended Uses	This PLA1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine PLA1. 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 PLA1 elisa kit

Principle of the Assay: PLA1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-PLA1 antibody and an PLA1-HRP conjugate. The assay sample and buffer are incubated together with PLA1-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 PLA1 concentration since PLA1 from samples and PLA1-HRP conjugate compete for the anti-PLA1 antibody binding site. Since the number of sites is limited, as more sites are occupied by PLA1 from the sample, fewer sites are left to bind PLA1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The PLA1 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	5123781
NCBI GeneID	25833
UniProt Accession #	Q9UKI9; Q3MIY3; Q9UKR7; Q9Y504; A8K7H8; B4DY07; F5GWW6
Molecular Weight	46,949 Da
NCBI Official Full Name	PLA-1 protein
NCBI Official Synonym Full Names	POU class 2 homeobox 3
NCBI Official Symbol	POU2F3
NCBI Official Synonym Symbols	PLA1; OCT11; PLA-1; Epoc-1; OCT-11; OTF-11; Skn-1a
NCBI Protein Information	POU domain, class 2, transcription factor 3; octamer-binding protein 11; transcription factor PLA-1; transcription factor Skn-1; POU domain transcription factor OCT11a; octamer-binding transcription factor 11
UniProt Protein Name	POU domain, class 2, transcription factor 3
UniProt Gene Name	POU2F3
UniProt Synonym Gene Names	OTF11; PLA1; Oct-11; OTF-11
UniProt Entry Name	PO2F3_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.